

MARTIN YATES, III

1912-1985

FRANK W. YATES

1936-1986

S.P. YATES

1914-2008



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

JOHN A. YATES  
CHAIRMAN OF THE BOARD  
PRESIDENT

DAVID LANNING  
CHIEF OPERATING OFFICER

RECEIVED

JAN 11 2010

NMOCD ARTESIA

January 7, 2010

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

RE: Wright JA #4  
30-015-22870  
Section 34, T18S-R26E  
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 July 15, 2009 (3 barrels of oil and 4 barrels of produced water with no amounts of either being recovered). The release was from buried 2.0" poly line. Impacted soils were excavated to a depth of one (1) foot and taken to an NMOCD approved facility. Samples were taken on 8/11/2009 and sent to an OCD approved laboratory for analysis. Based on Xenco Report #340664 an additional two (2) feet of soils were excavated and taken to an NMOCD approved facility. Samples were taken on 11/19/2009, and sent to an OCD approved laboratory for analysis (enclosed, all analytical results and a sample diagram), Based on analytical results Yates Petroleum Corporation requests closure. Upon closure approval, Yates will excavate an additional one (1) foot of soils (GS/Comp-003, 11/12/2009 sample, Total TPH @ 1,993 ppm), haul to an NMOCD approved facility. Clean, like soils will then be used to backfill excavation.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher  
Environmental Regulatory Agent

Enclosure(s)  
/rca

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	<b>RECEIVED</b>  JAN 11 2010  NMOCD-ARTESIA
Address 104 S. 4 <sup>TH</sup> Street		Telephone No. 575-748-1471	
Facility Name Wright JA #4	API Number 30-015-22870	Facility Type Flow line	
Surface Owner Fee	Mineral Owner Fee	Lease No.	

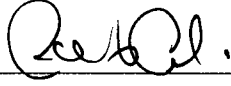
LOCATION OF RELEASE

Unit Letter F	Section 34	Township 18S	Range 26E	Feet from the 1650	North/South Line North	Feet from the 1650	East/West Line West	County Eddy
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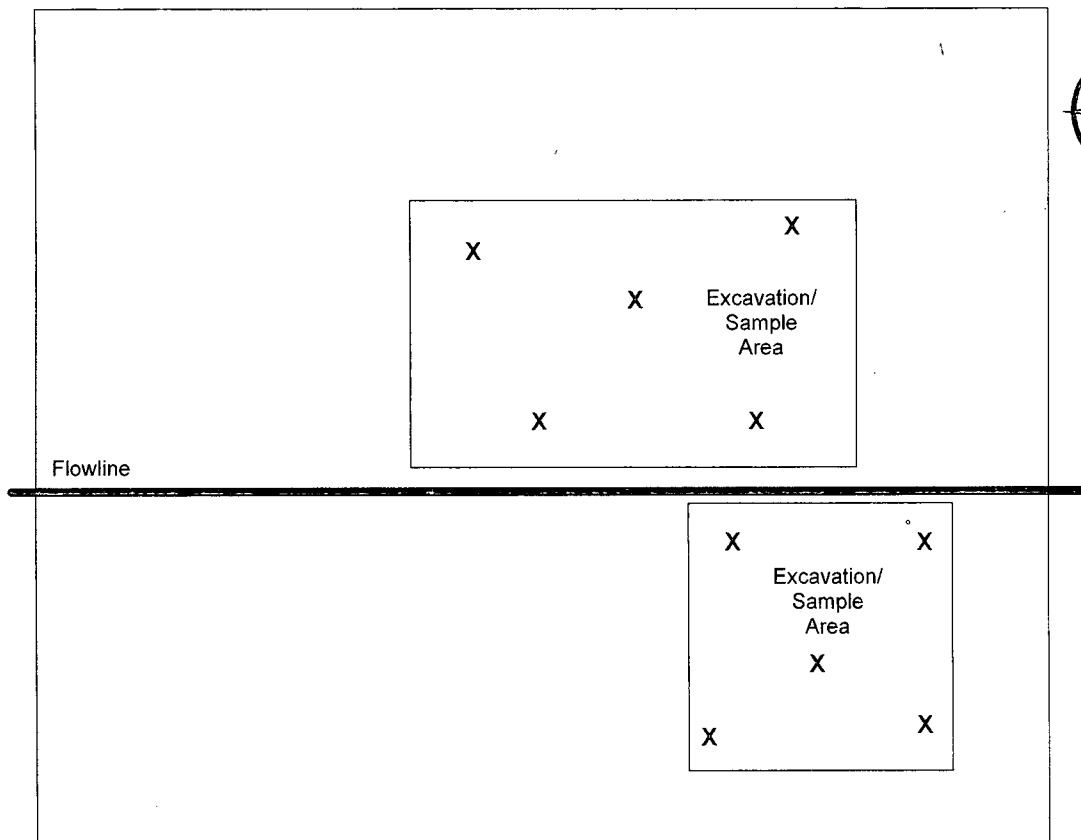
Latitude 32.70689 Longitude 104.37257

NATURE OF RELEASE

Type of Release Oil & Produced Water	Volume of Release 3 B/O & 4 B/PW	Volume Recovered 0 B/O & 0 B/PW
Source of Release Surface Poly Flow Line	Date and Hour of Occurrence 7/14/2009, AM	Date and Hour of Discovery 7/14/2009, 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, Artesia.	
By Whom? Robert Asher/Yates Petroleum Corporation	Date and Hour 7/15/2009, 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.* 2" poly flow line ruptured causing release of produced water. Shut in well, called repair crew, backhoe crew. The flow line is approximately 500' north of the Wright JA #1 pumping unit (Section 34, T18S-R26E).		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 45' X 45'. Crew repaired poly line, backhoe is excavating impacted soils/hauling to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. <b>Depth to Ground Water: 50-99' (approx. 90' per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: &gt;1000', SITE RANKING IS 10. Based on enclosed analytical report, an additional one (1) foot of impacted soils to be excavated/hailed, Yates is requesting closure.</b>		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

Signature: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Robert Asher	Approved by District Supervisor:		
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:	
E-mail Address: boba@yatespetroleum.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: Thursday, January 07, 2010	Phone: 575-748-1471	2RP-	

\* Attach Additional Sheets If Necessary



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
GS/Comp-001	8/11/2009	Grab/Auger	1' (2' BGL)	59.010	400	2380	3230	1060
GS/Comp-002	8/11/2009	Grab/Auger	2' (3' BGL)	25.490	310	2210	2520	463
GS/Comp-003	8/11/2009	Grab/Auger	3' (4' BGL)	10.353	78.8	550	629	687
Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
GS/Comp-003	11/12/2009	Grab/Auger	3' (4' BGL)	0.0046	113	1750	1993	1060
GS/Comp-004	11/12/2009	Grab/Auger	4' (5' BGL)	0.0159	64.9	653	718	794

**Site Ranking is Ten (10).** Depth to Ground Water 50-99" (approx. 90', per New Mexico State Engineer Office). All results are ppm. Chloride results are for documentation. BGL - Below Ground Level



Wright JA #4  
30-015-22870  
Section 34, T18S-R26E  
Eddy County, NM

**SAMPLE DIAGRAM (Not to Scale)**  
Xenco Report #: 340664  
Sample Date: 8/11/2009  
Xenco Report #: 352152  
Sample Date: 11/19/2009

Prepared by Robert Asher  
Environmental Regulatory Agent

# Analytical Report 352152

for

## Yates Petroleum Corporation

Project Manager: Robert Asher

Wright JA # 4

30-015-22870

19-NOV-09



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

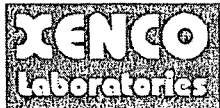
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

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

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

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

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



19-NOV-09

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

Reference: XENCO Report No: **352152**  
**Wright JA #4**  
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 352152. 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. 352152 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

---

**Brent Barron, II**

Odessa Laboratory Manager

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

*Certified and approved by numerous States and Agencies.*

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## Sample Cross Reference 352152



Yates Petroleum Corporation, Artesia, NM

Wright JA # **4**

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-003	S	Nov-12-09 09:11	3 - 3 ft	352152-001
GS/Comp-004	S	Nov-12-09 09:30	4 - 4 ft	352152-002



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Wright JA # 5*

*Project ID: 30-015-22870*

*Work Order Number: 352152*

*Report Date: 19-NOV-09*

*Date Received: 11/13/2009*

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**Sample receipt non conformances and Comments:**

None

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

None

**Analytical Non Conformances and Comments:**

Batch: LBA-781711 Percent Moisture

None

Batch: LBA-781737 Anions in Soil By EPA 300.0

None

Batch: LBA-781996 BTEX by EPA 8021

SW8021BM

Batch 781996, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; QC data not confirmed by re-analysis

Samples affected are: 352148-001 S.

SW8021BM

Batch 781996, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 352152-002, -001.

The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Wright JA # 5*

*Project ID: 30-015-22870*

*Work Order Number: 352152*

*Report Date: 19-NOV-09*

*Date Received: 11/13/2009*

---

*Batch: LBA-782288 TPH by SW 8015B*

*SW8015B\_NM*

*Batch 782288, C10-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike.*

*Samples affected are: 352152-002, -001.*

*The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits*

*SW8015B\_NM*

*Batch 782288, o-Terphenyl recovered above QC limits. QC Data not confirmed by re-analysis.*

*Samples affected are: 543480-1-BLK.*





# Certificate of Analysis Summary 352152

Yates Petroleum Corporation, Artesia, NM

Project Name: Wright JA #4



Project Id: 30-015-22870

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Nov-13-09 09:58 am


Report Date: 19-NOV-09

Project Manager: Brent Barron, II

<b>Analysis Requested</b>	<b>Lab Id:</b>	352152-001	352152-002				
	<b>Field Id:</b>	GS/Comp-003	GS/Comp-004				
	<b>Depth:</b>	3-3 ft	4-4 ft				
	<b>Matrix:</b>	SOIL	SOIL				
	<b>Sampled:</b>	Nov-12-09 09:11	Nov-12-09 09:30				
<b>Anions in Soil By EPA 300.0</b>	<b>Extracted:</b>						
	<b>Analyzed:</b>	Nov-13-09 19:57	Nov-13-09 19:57				
	<b>Units/RL:</b>	mg/kg RL	mg/kg RL				
Chloride		1060 8.87	794 8.68				
<b>BTEX by EPA 8021</b>	<b>Extracted:</b>	Nov-16-09 16:00	Nov-16-09 16:00				
	<b>Analyzed:</b>	Nov-16-09 19:48	Nov-16-09 20:09				
	<b>Units/RL:</b>	mg/kg RL	mg/kg RL				
Benzene		BRL 0.0011	BRL 0.0010				
Toluene		BRL 0.0021	0.0095 0.0021				
Ethylbenzene		0.0018 0.0011	0.0024 0.0010				
m,p-Xylenes		0.0028 0.0021	0.0023 0.0021				
o-Xylene		BRL 0.0011	0.0017 0.0010				
Xylenes, Total		0.0028 0.0011	0.0040 0.0010				
Total BTEX		0.0046 0.0011	0.0159 0.0010				
<b>Percent Moisture</b>	<b>Extracted:</b>						
	<b>Analyzed:</b>	Nov-13-09 17:00	Nov-13-09 17:00				
	<b>Units/RL:</b>	% RL	% RL				
Percent Moisture		5.31 1.00	3.24 1.00				
<b>TPH by SW 8015B</b>	<b>Extracted:</b>	Nov-16-09 13:45	Nov-16-09 13:45				
	<b>Analyzed:</b>	Nov-17-09 22:34	Nov-17-09 23:00				
	<b>Units/RL:</b>	mg/kg RL	mg/kg RL				
C6-C10 Gasoline Range Hydrocarbons		113 15.8	64.9 15.5				
C10-C28 Diesel Range Hydrocarbons		1750 15.8	653 15.5				
Total TPH 1005		1993 15.8	718 15.5				

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

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Brent Barron, II  
Odessa Laboratory Manager



## Flagging Criteria



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

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

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: Wright JA #4

**Project #:** 30-015-22870






Project Loc: Eddy County

PO #: 105632

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: [boba@yatespetroleum.com](mailto:boba@yatespetroleum.com)

**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 by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star	Y	N
4079glass		
Temperature Upon Receipt:	4.4	°C

# Environmental Lab of Texas

## Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum  
 Date/ Time: 11-13-09 9:58  
 Lab ID #: 35452  
 Initials: AL

### Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	(Yes)	No	4.6 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	(Yes)	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 340664

for

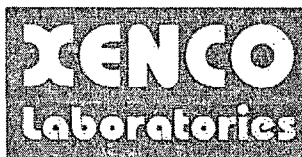
## Yates Petroleum Corporation

Project Manager: Robert Asher

Wright JA # 4

30-015-22870

17-AUG-09



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)  
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)  
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)  
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)  
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Miramar (EPA Lab code: FL01246): Florida (E86349)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

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

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

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17-AUG-09

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

Reference: XENCO Report No: **340664**  
**Wright JA # 4**  
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 340664. 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. 340664 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

---

**Brent Barron, II**

Odessa Laboratory Manager

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## Sample Cross Reference 340664



Yates Petroleum Corporation, Artesia, NM

Wright JA # 4

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Aug-11-09 09:55	1 - 1 ft	340664-001
GS/Comp-002	S	Aug-11-09 10:13	2 - 2 ft	340664-002
GS/Comp-003	S	Aug-11-09 10:34	3 - 3 ft	340664-003



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Wright JA # 4*

*Project ID: 30-015-22870*

*Work Order Number: 340664*

*Report Date: 17-AUG-09*

*Date Received: 08/12/2009*

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**Sample receipt non conformances and Comments:**

None

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

None

**Analytical Non Conformances and Comments:**

Batch: LBA-768358 Percent Moisture

None

Batch: LBA-768362 Inorganic Anions by EPA 300

None

Batch: LBA-768535 BTEX-MTBE EPA 8021B

AD2216A %Moisture

Batch 768358, Percent Moisture RPD recovered outside QC limits. This is most likely due to sample non-homogeneity.

Samples affected are: 340658-001 D.

SW8021BM

Batch 768535, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 340664-002, -001, -003.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits

SW8021BM

Batch 768535, 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 340664-003, 340664-002, 340664-001.

4-Bromofluorobenzene recovered below QC limits Data not confirmed by re-analysis. Samples affected are: 535392-1-BLK.

4-Bromofluorobenzene recovered above QC limits QC Data not confirmed by re-analysis.

Samples affected are: 535392-1-BKS, 535392-1-BSD, 340664-001, 340664-002, 340664-003





# Certificate of Analysis Summary 340664

Yates Petroleum Corporation, Artesia, NM

Project Name: Wright JA # 4



Project Id: 30-015-22870

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Wed Aug-12-09 09:27 am


Report Date: 17-AUG-09

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	340664-001	340664-002	340664-003			
	<i>Field Id:</i>	GS/Comp-001	GS/Comp-002	GS/Comp-003			
	<i>Depth:</i>	1-1 ft	2-2 ft	3-3 ft			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Aug-11-09 09:55	Aug-11-09 10:13	Aug-11-09 10:34			
<b>Anions by EPA 300</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-12-09 15:37	Aug-12-09 15:37	Aug-12-09 15:37			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		1060 22.2	463 11.0	687 10.6			
<b>BTEX by EPA 8021B</b>	<i>Extracted:</i>	Aug-13-09 17:00	Aug-13-09 17:00	Aug-13-09 17:00			
	<i>Analyzed:</i>	Aug-13-09 22:05	Aug-13-09 22:42	Aug-13-09 23:19			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		0.5088 0.1111	0.1796 0.0549	0.0668 0.0530			
Toluene		9.643 0.2222	3.587 0.1099	1.372 0.1060			
Ethylbenzene		12.48 0.1111	5.797 0.0549	2.233 0.0530			
m,p-Xylenes		25.47 0.2222	11.27 0.1099	4.751 0.1060			
o-Xylene		10.91 0.1111	4.654 0.0549	1.930 0.0530			
Total Xylenes		36.38 0.1111	15.92 0.0549	6.681 0.0530			
Total BTEX		59.01 0.1111	25.49 0.0549	10.353 0.0530			
<b>Percent Moisture</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Aug-12-09 16:00	Aug-12-09 16:00	Aug-12-09 16:00			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		9.98 1.00	8.98 1.00	5.67 1.00			
<b>TPH By SW8015B Mod</b>	<i>Extracted:</i>	Aug-13-09 10:52	Aug-13-09 10:52	Aug-13-09 10:52			
	<i>Analyzed:</i>	Aug-13-09 13:23	Aug-13-09 13:48	Aug-13-09 14:13			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		400 16.7	310 16.4	78.8 15.8			
C10-C28 Diesel Range Hydrocarbons		2830 16.7	2210 16.4	550 15.8			
Total TPH		3230 16.7	2520 16.4	629 15.8			

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

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

  
Brent Barron, II  
Odessa Laboratory Manager



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Wright JA # 4*

*Project ID: 30-015-22870*

*Work Order Number: 340664*

*Report Date: 17-AUG-09*

*Date Received: 08/12/2009*

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*Batch: LBA-768651 TPH by SW 8015B*

*None*



## Flagging Criteria



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

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(210) 509-3334	(210) 509-3335
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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

## Environmental Lab of Texas

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East  
Odessa, Texas 79765Phone: 432-563-1800  
Fax: 432-563-1713

Project Manager: Robert Asher

Project Name: Wright JA #4

Company Name: Yates Petroleum Corporation

Project #: 30-015-22870

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105932

Telephone No: 505-745-1217

Fax No: 214-745-4662

Report Format: ☒ Standard ☐ THRP ☐ NPDESSampler Signature: *Robert Asher*

e-mail: bobla@yatespetroleum.com

(do not use unit)

ORDER #

LAB #	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Lab #	TPH	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC	THC
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Special Instructions: TPH: 8015B; BTEX: 8021B &amp; Chlorides. Please show BTEX results as mg/kg. Thank you.

Relinquished by:				Received by:			
Date		Time		Date		Time	
Relinquished by:		Date		Received by:		Date	
Relinquished by:		Date		Received by:		Date	
Relinquished by:		Date		Received by:		Date	

Laboratory Comments: Sample Contaminated by VOCs Free of Headspace. Labels on containers. Custody seals on container(s). Custody seals on cooler(s). Sample Hand Delivered by Sample Client Rep. City, State, and Zip: 88210. Temperature Upon Receipt: 56°F.

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

Client: Yates Petroleum  
Date/ Time: 8-12-09 9:27  
Lab ID #: 340604  
Initials: AL

**Sample Receipt Checklist**

				Client Initials	
#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>5.6</u>	<u>°C</u>
#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>	<u>No</u>	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 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: Bob Ashby      Contacted by: Andrea Lam      Date/ Time: \_\_\_\_\_

Regarding: #8 CUC states GS/comp-0013, label states GS/comp-003

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

**Andrea Lam**

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**From:** "Bob Asher" <BobA@yatespetroleum.com>  
**To:** "Andrea Lam" <andrea.lam@xenco.com>  
**Sent:** Wednesday, August 12, 2009 3:33 PM  
**Subject:** RE: WO 340664 / Wright JA # 4

Andrea,

The COC for the Wright JA #4 should read GS/Comp-003 to match label on the sample jar.

Thank you.

**Robert Asher**

Yates Petroleum Corporation

boba@yatespetroleum.com

575-748-4217 (Office)

575-365-4021 (Cell)

575-748-4662 (Fax)

Original Message

**From:** Andrea Lam [mailto:andrea.lam@xenco.com]

**Sent:** Wednesday, August 12, 2009 11:14 AM

**To:** Bob Asher

**Subject:** WO 340664 / Wright JA # 4

Bob- I need to know what is the correct ID for sample number three on your COC. The COC states GS/Comp-0013 and the label on the container states GS/Comp-003. Please let me know which one it is so I can fix it. Many thanks.

Thank You,  
 Andrea Lam  
 Sample Receiving / Project Assistant

Environmental Lab of Texas  
 A Xenco Company  
 12600 W I-20 E  
 Odessa, TX 79765  
 432-563-1800

8/12/2009

**Bratcher, Mike, EMNRD**

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**From:** Bob Asher [BobA@yatespetroleum.com]  
**Sent:** Wednesday, July 15, 2009 3:15 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Jerry Fanning  
**Subject:** Release

Mike,

Yates Petroleum Corporation is reporting a release at the following location.

Wright JA #4  
30-015-22870  
Section 34, T18S-R26E  
Eddy County, New Mexico

Release was an unknown amount of oil from a flow line. The flow line is approximately 500' north of the Wright JA #1 pumping unit. As soon as a one call is completed, impacted soils will be removed and hauled to an OCD approved facility. A C-141 report will be submitted to your office.

Please call if you have any questions.

Thank you.

**Robert Asher**  
**Yates Petroleum Corporation**  
**boba@yatespetroleum.com**  
**575-748-4217 (Office)**  
**575-365-4021 (Cell)**  
**575-748-4662 (Fax)**

And Joshua said unto the people,  
Sanctify yourselves: for to morrow the  
LORD will do wonders among you. Joshua 3:5

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This inbound email has been scanned by the MessageLabs Email Security System.

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