

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

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NOV 15 2010
HOBBSOCD

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. 575-748-1471
Facility Name Vada AVJ State #1	API Number 30-025-01813	Facility Type Battery

Surface Owner State	Mineral Owner State	Lease No. V-1430
------------------------	------------------------	---------------------

LOCATION OF RELEASE

Unit Letter L	Section 3	Township 10S	Range 34E	Feet from the 1980	North/South Line South	Feet from the 660	East/West Line West	County Lea
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Latitude 33.47417 Longitude 103.45793

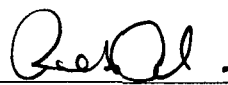
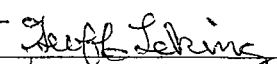
NATURE OF RELEASE

Type of Release Condensate & Produced Water	Volume of Release 74 B/C & 28 B/PW	Volume Recovered 41 B/C & 0 B/PW
Source of Release Production Tank	Date and Hour of Occurrence 10/15/2010, AM	Date and Hour of Discovery 10/15/2010, AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Hill/NMOCD	
By Whom? Robert Asher/Yates Petroleum Corporation	Date and Hour 10/15/2010, PM (e-mail and telephone)	
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.*
Hole in bottom of tank caused release. Vacuum truck called.

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 55' X 30'. Vacuum truck recovered remaining condensate, no produced water recovered. Initial samples taken, based on results tanks being moved off of battery and impacted soils being excavated to a depth of three (3) feet, soils to be taken to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If results are above RRAL's limits for the site ranking of zero (0), then a work plan will be submitted to detail further remediation work, if results are below RRAL's limits for the site ranking of zero (0), then closure will be requested. **Depth to Ground Water: >100' (approx. 114', per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on enclosed analytical results, 3' of impacted soils excavated/removed, liner to be installed, Yates Petroleum Corporation requests closure.**

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor ENV SPECIALIST 	
Title: Environmental Regulatory Agent	Approval Date: 5-17-12	Expiration Date: —
E-mail Address: boba@yatespetroleum.com	Conditions of Approval: —	Attached <input type="checkbox"/>
Date: Friday, November 12, 2010 Phone: 575-748-4217	1RP-	RP-11-10-2655

* Attach Additional Sheets If Necessary

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

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November 12, 2010

Mr. Larry Hill
NMOCD District I
1625 French Drive
Hobbs, NM 88240

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NOV 15 2010

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RE: Vada AVJ State #1
30-025-01813
Section 3, T10S-R34E
Lea County, New Mexico

Dear Mr. Hill,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on October 15, 2010 (74 B/C & 36 bbls of produced water with 41 B/C & 0 bbls of produced water recovered). The cause of the release was from a hole in the bottom of the production tank. Initial samples were taken on 10/15/2010, based on results a total of three (3) feet of impacted soils were removed from the tank battery area and taken to an NMOCD approved facility (all 3 tanks have been removed so all impacted soils could be excavated). Samples were taken on 11/1/2010 and sent to an NMOCD approved laboratory. The results for BTEX and Total TPH are below the RRAL's for the site ranking of zero (chloride results are for documentation). Based on the well currently being shut in and needs to be placed back into production, enclosed analytical sampling results, impacted soils excavated/removed and a liner will be installed to create secondary containment, Yates Petroleum Corporation requests closure

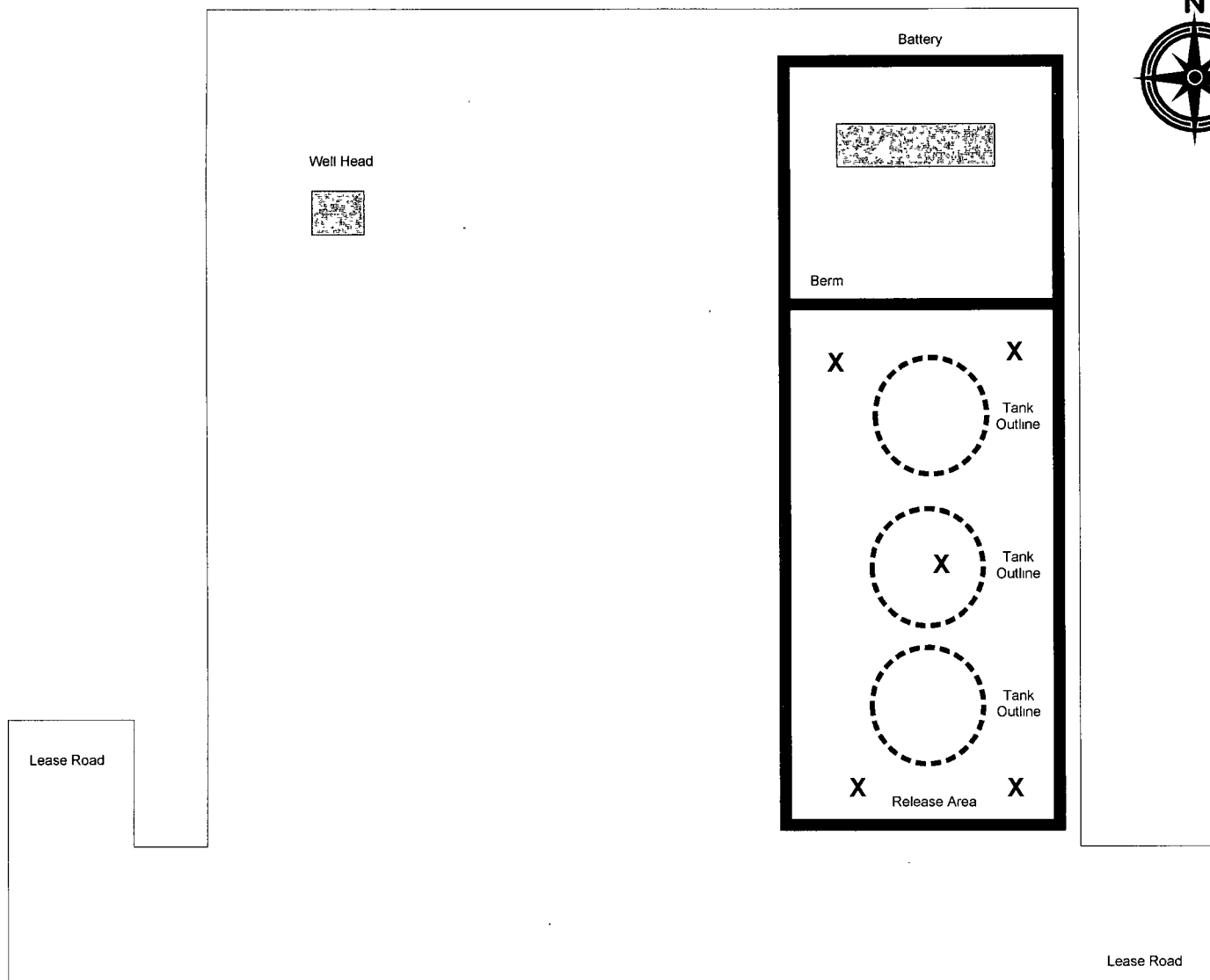
If you have any questions, please call me at 575-748-4217.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher
Environmental Regulatory Agent

/rca
Enclosure(s)



Sample ID	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Battery Area	11/1/2010	Grab/Auger	6" (42" BSL)	2.7350	57.3	ND	57.3	97.2
Comp-01.0	Battery Area	11/1/2010	Grab/Auger	12" (48" BSL)	0.811	26.1	ND	26.1	71.8
Comp-01.5	Battery Area	11/1/2010	Grab/Auger	18" (54" BSL)	0.246	ND	ND	ND	91.4

Site Ranking is Zero (0). Depth to Ground Water 50-99 > 100' (approx. 114', Section 26, T10S-R35E, per NMSEO).
 All results are ppm. Chloride results are for documentation X - Sample Points. BSL - Below Surface Level.



Vada AVJ State #1
30-025-01813
Section 3, T10S-R34E
Lea County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco Report #: 395757 & 395763
Report Date: 11/11/2010

Prepared by Robert Asher
Environmental Regulatory Agent

Analytical Report 395757

for
Yates Petroleum Corporation

Project Manager: Robert Asher

Vada AVJ State Com. # 1

30-025-01813

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12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-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 (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), 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-TX)

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

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

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



11-NOV-10

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

Reference: XENCO Report No: **395757**
Vada AVJ State Com. # 1
Project Address: Lea 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 395757. 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. 395757 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 395757



Yates Petroleum Corporation, Artesia, NM

Vada AVJ State Com. # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp- 00.5	S	Nov-01-10 11:33	6 - 6 In	395757-001
Comp- 01.0	S	Nov-01-10 11:56	12 - 12 In	395757-002
Comp- 01.5	S	Nov-01-10 12:18	18 - 18 In	395757-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Vada AVJ State Com. # 1



Project ID: 30-025-01813

Work Order Number: 395757

Report Date: 11-NOV-10

Date Received: 11/03/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-830447 TPH by SW 8015B

SW8015B_NM

Batch 830447, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 395757-001, -002, -003.

The Laboratory Control Sample for C6-C10 Gasoline Range Hydrocarbons is within laboratory Control Limits

Batch: LBA-831362 BTEX by EPA 8021

SW8021BM

Batch 831362, 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 395757-002.

SW8021BM

Batch 831362, Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylene RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 395757-001, -002, -003.



Certificate of Analysis Summary 395757

Yates Petroleum Corporation, Artesia, NM

Project Name: Vada AVJ State Com. # 1



Project Id: 30-025-01813

Contact: Robert Asher

Project Location: Lea County

Date Received in Lab: Wed Nov-03-10 09:47 am


Report Date: 11-NOV-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	395757-001	395757-002	395757-003			
	Field Id:	Comp- 00.5	Comp- 01 0	Comp- 01 5			
	Depth:	6-6 In	12-12 In	18-18 In			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	Nov-01-10 11 33	Nov-01-10 11 56	Nov-01-10 12 18			
BTEX by EPA 8021	Extracted:	Nov-09-10 08 40	Nov-09-10 08 40	Nov-09-10 08 40			
	Analyzed:	Nov-10-10 13 11	Nov-10-10 13 11	Nov-10-10 13:11			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
		ND 0 0303	ND 0 0058	ND 0 0059			
Benzene		0.1271 0.0605	0 0185 0 0115	0 0288 0 0119			
Toluene		0 0575 0 0303	0 0175 0 0058	0 0121 0 0059			
Ethylbenzene		2.063 0 0605	0 6025 0 0115	0 1758 0 0119			
m,p-Xylenes		0 4871 0 0303	0 1727 0 0058	0 0292 0 0059			
o-Xylene		2 550 0 0303	0 7752 0 0058	0 2050 0 0059			
Xylenes, Total		2.735 0 0303	0 8112 0 0058	0.2459 0 0059			
Total BTEX							
Percent Moisture	Extracted:	Nov-04-10 08 15	Nov-04-10 08 15	Nov-04-10 08 15			
	Analyzed:	Nov-04-10 08 15	Nov-04-10 08 15	Nov-04-10 08 15			
	Units/RL:	% RL	% RL	% RL			
		17.2 1.00	13.8 1.00	16.2 1.00			
Percent Moisture							
TPH by SW 8015B	Extracted:	Nov-03-10 11 45	Nov-03-10 11 45	Nov-03-10 11 45			
	Analyzed:	Nov-03-10 16:49	Nov-03-10 17:33	Nov-03-10 18:05			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
		57.3 18.1	26.1 17.4	ND 17.9			
C6-C10 Gasoline Range Hydrocarbons		ND 18.1	ND 17.4	ND 17.9			
C10-C28 Diesel Range Hydrocarbons		57.3 18.1	26.1 17.4	ND 17.9			
Total TPH							

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

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi


Brent Barron, II
Odessa Laboratory Manager



Flagging Criteria

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

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



XENCO Laboratories
Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
Document No.: SYS-SRC
Revision/Date: No. 01, 5/27/2010
Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum Corporation
Date/Time: 11/03/10 9:47
Lab ID #: 395757/395763 (Chlorides)
Initials: XI

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
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		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 3.6 °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis

Analytical Report 395763

for

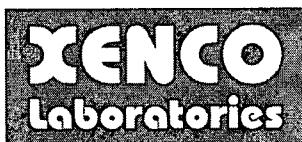
Yates Petroleum Corporation

Project Manager: Robert Asher

Vada AVJ State Com. # 1

30-025-01813

11-NOV-10



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12600 West I-20 East Odessa, Texas 79765

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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 (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), 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)

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

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

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



11-NOV-10

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

Reference: XENCO Report No: **395763**
Vada AVJ State Com. # 1
Project Address: Lea 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 395763. 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. 395763 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 395763



Yates Petroleum Corporation, Artesia, NM
Vada AVJ State Com. # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	Nov-01-10 11:33	6 - 6 In	395763-001
Comp-01.0	S	Nov-01-10 11:56	12 - 12 In	395763-002
Comp-01.5	S	Nov-01-10 12:18	18 - 18 In	395763-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Vada AVJ State Com. # 1



Project ID: 30-025-01813

Report Date: 11-NOV-10

Work Order Number: 395763

Date Received: 11/03/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None



Certificate of Analysis Summary 395763

Yates Petroleum Corporation, Artesia, NM

Project Name: Vada AVJ State Com. # 1



Project Id: 30-025-01813

Contact: Robert Asher

Project Location: Lea County

Date Received in Lab: Wed Nov-03-10 09:47 am

Report Date: 11-NOV-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	395763-001	395763-002	395763-003			
	Field Id:	Comp-00.5	Comp-01.0	Comp-01.5			
	Depth:	6-6 In	12-12 In	18-18 In			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	Nov-01-10 11:33	Nov-01-10 11:56	Nov-01-10 12:18			
Anions in Soil By EPA 300.0	Extracted:	Nov-03-10 16:28	Nov-03-10 16:28	Nov-03-10 16:28			
	Analyzed:	Nov-03-10 16:28	Nov-03-10 16:28	Nov-03-10 16:28			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		97.2 5.07	71.8 4.87	91.4 5.01			
Percent Moisture	Extracted:	Nov-04-10 08:15	Nov-04-10 08:15	Nov-04-10 08:15			
	Analyzed:	Nov-04-10 08:15	Nov-04-10 08:15	Nov-04-10 08:15			
	Units/RL:	% RL	% RL	% RL			
Percent Moisture		17.2 1.00	13.8 1.00	16.2 1.00			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the 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
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- * Outside XENCO's scope of NELAC Accreditation.

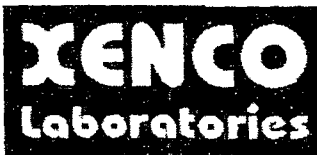
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XENCO Laboratories
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Document Title: Sample Receipt Checklist
Document No.: SYS-SRC
Revision/Date: No. 01, 5/27/2010
Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum Corporation
Date/Time: 11/03/10 9:47
Lab ID #: 395757/395763 (Chlorides)
Initials: X/1

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
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		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 3.6 °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - ☐ Initial and Backup Temperature confirm out of temperature conditions
 - ☐ Client understands and would like to proceed with analysis