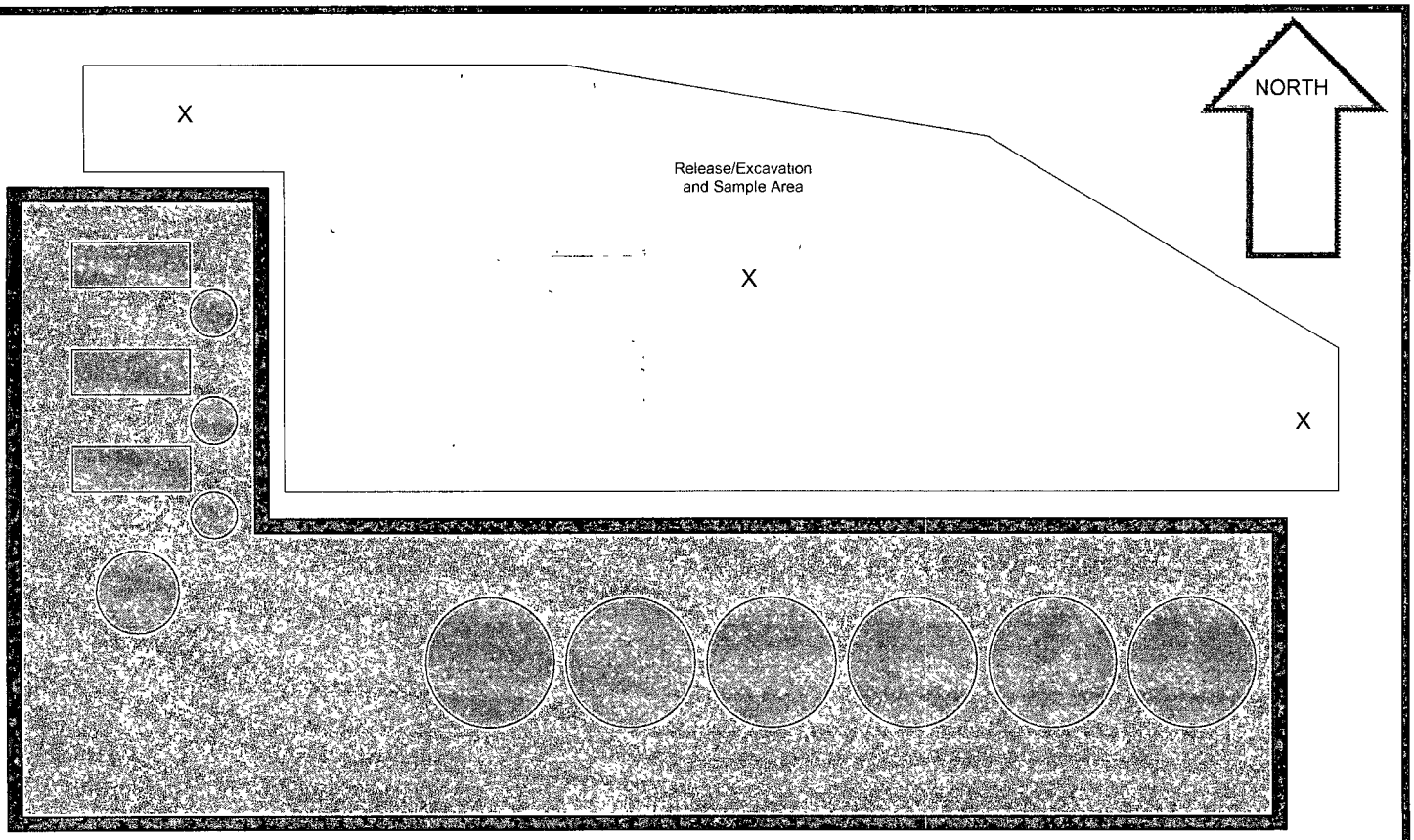

Analytical Report-429605	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	10/4/2011	Comp/Auger	6"					8040
Comp-01.0	Release Area	10/4/2011	Comp/Auger	12"					4310
Comp-01.5	Release Area	10/4/2011	Comp/Auger	18"					2830
Analytical Report-430848	**Sample Area**	**Sample Date**	**Sample Type**	**Depth**	**BTEX**	**GRO**	**DRO**	**TOTAL**	**Chlorides**
Comp-00.5	Release Area	11/1/2011	Comp/Auger	6"	ND	ND	108	108	
Comp-01.0	Release Area	11/1/2011	Comp/Auger	12"	ND	ND	ND	ND	
Comp-01.5	Release Area	11/1/2011	Comp/Auger	18"	ND	ND	ND	ND	
Approximately 1.5 feet of impacted soils were excavated/hauled to an NMOCD approved facility.									
Analytical Report-430848	**Sample Area**	**Sample Date**	**Sample Type**	**Depth**	**BTEX**	**GRO**	**DRO**	**TOTAL**	**Chlorides**
Comp-02.0	Release/ Excavation	2/1/2012	Comp/Auger	24"					38.0
Comp-02.5	Release/ Excavation	2/1/2021	Comp/Auger	30"					47.8
Comp-03.0	Release/ Excavation	2/1/2012	Comp/Auger	36"					39.9

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 80', per Trend Map).

All results are ppm. Chlorides for documentation. **X - Sample Points**

Released: 3 B/O & 1100 B/PW; Recovered: 3 B/O & 1040 B/PW. Release Date: 8/31/2011

YATES PETROLEUM CORPORATION

Knoll AOK Federal #1

30-015-28127

Section 3, T24S-R29E

Eddy County, NM

ENVIRONMENTAL SAMPLE DIAGRAM

(Not to Scale)

February 29, 2012

Prepared by
YPC Environmental Division

Analytical Report 436237

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Knoll AOK Federal # 1

30-015-28127

13-FEB-12

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), 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 Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

13-FEB-12

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

Reference: XENCO Report No: **436237**
Knoll AOK Federal # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 436237. 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. 436237 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

Sample Cross Reference 436237

Yates Petroleum Corporation, Artesia, NM

Knoll AOK Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-02.0	S	02-01-12 11:09	24 - 24 In	436237-001
Comp-02.5	S	02-01-12 11:21	30 - 30 In	436237-002
Comp-03.0	S	02-01-12 11:31	36 - 36 In	436237-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Knoll AOK Federal # 1

Project ID:	*30-015-28127*	*Report Date:*	*13-FEB-12*
Work Order Number:	*436237*	*Date Received:*	*02/02/2012*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-881041 Anions by E300
RPD recovered outside QC limits between the sample and sample duplicate.

Certificate of Analysis Summary 436237

Yates Petroleum Corporation, Artesia, NM

Project Name: Knoll AOK Federal # 1

Project Id: 30-015-28127
Contact: Robert Asher
Project Location: Eddy County

Date Received in Lab: Thu Feb-02-12 11:55 am
Report Date: 13-FEB-12
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	436237-001		436237-002		436237-003					
	Field Id:	Comp-02.0		Comp-02 5		Comp-03.0					
	Depth:	24-24 In		30-30 In		36-36 In					
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	Feb-01-12 11:09		Feb-01-12 11:21		Feb-01-12 11:31					
Anions by E300	*Extracted:*										
	Analyzed:	Feb-11-12 11:00		Feb-11-12 11.00		Feb-11-12 11.00					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		38.0	0 924	47.8	0 922	39 9	0 925				
Percent Moisture	*Extracted:*										
	Analyzed:	Feb-03-12 09:00		Feb-03-12 09·00		Feb-03-12 09.00					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		9.09	1 00	8.94	1.00	9 15	1 00				

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

Brent Barron II
Odessa Laboratory Manager

Final 1.000

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 affect the recovery of the spike concentration. This condition could also affect 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 quantiation limit and above the detection limit.

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.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ Outside XENCO's scope of NELAC Accreditation. ^ NELAC or State program does not offer Accreditation at this time.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Robert Asher

Company Name: Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4217 Fax No: 575-748-4662

Sampler Signature:

e-mail: boba@yatespetroleum.com

Project Name: Knoll AOK Federal #1

Project #: 30-015-28127

Project Loc: Eddy County

PO #: 105632

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)

ORDER #: 436237

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For. TCLP: TPH 418.1	8015M	TX 1005	TPH 8015B TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Comp-02.0	24"	24"	2/1/2012	11:09 AM											S														X		X
02	Comp-02.5	30"	30"	2/1/2012	11:21 AM											S														X		X
03	Comp-03.0	36"	36"	2/1/2012	11:31 AM											S														X		X

Special Instructions: **CHLORIDES ONLY.** ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Asher	02/01/12	3.24 PM			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by: Fedex	Date	Time	Received by ELOT: Andrea Elam	Date: 2.2.12	Time: 11.55

Laboratory Comments:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N NA

Labels on container(s) Y N

Custody seals on container(s) Y N

Custody seals on cooler(s) Y N

Sample Hand Delivered by Sampler/Client Rep. ? Y N

by Courier? UPS DHL (FedEx) Lone Star

4029455

Temperature Upon Receipt 11.0 °C

XENCO Laboratories	Document Title: Sample Receipt Checklist
Atlanta, Boca Raton, Corpus Christi, Dallas	Document No.: SYS-SRC
Houston, Miami, Odessa, Philadelphia	Revision/Date: No. 01, 5/27/2010
Phoenix, San Antonio, Tampa	Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum

Date/Time: 2.2.12 11:55

Lab ID # : 436237

Initials: AE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	11.0 °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 430848

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Knoll AOK Federal # 1

30-015-28127

10-NOV-11

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), 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 Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

10-NOV-11

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

Reference: XENCO Report No: **430848**
Knoll AOK Federal # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 430848. 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.

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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

Sample Cross Reference 430848

Yates Petroleum Corporation, Artesia, NM

Knoll AOK Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	11-01-11 13:26	6 - 6 In	430848-001
Comp-01.0	S	11-01-11 13:38	12 - 12 In	430848-002
Comp-01.5	S	11-01-11 13:50	18 - 18 In	430848-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Knoll AOK Federal # 1

Project ID:	*30-015-28127*	*Report Date:*	*10-NOV-11*
Work Order Number:	*430848*	*Date Received:*	*11/03/2011*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-874338 BTEX by EPA 8021B
SW8021BM

Batch 874338, Benzene, Ethylbenzene, m_p-Xylenes recovered below QC limits in the Matrix Spike. o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Toluene recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 430848-001, -002, -003.
The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

SW8021BM

Batch 874338, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene RPD was outside QC limits.
Samples affected are: 430848-001, -002, -003

Certificate of Analysis Summary 430848

Yates Petroleum Corporation, Artesia, NM

Project Name: Knoll AOK Federal # 1

Project Id: 30-015-28127
Contact: Robert Asher
Project Location: Eddy County

Date Received in Lab: Thu Nov-03-11 10:35 am
Report Date: 10-NOV-11
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	430848-001		430848-002		430848-003					
	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-01-11 13:26		Nov-01-11 13:38		Nov-01-11 13:50					
BTEX by EPA 8021B	*Extracted:*	Nov-08-11 09:24		Nov-08-11 09:24		Nov-08-11 09:24					
	Analyzed:	Nov-08-11 17:50		Nov-08-11 18:12		Nov-08-11 18:35					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		ND	0 00105	ND	0 00105	ND	0 00105				
Toluene		ND	0 00210	ND	0.00210	ND	0.00211				
Ethylbenzene		ND	0.00105	ND	0.00105	ND	0.00105				
m_p-Xylenes		ND	0 00210	ND	0 00210	ND	0 00211				
o-Xylene		ND	0 00105	ND	0.00105	ND	0 00105				
Total Xylenes		ND	0.00105	ND	0 00105	ND	0 00105				
Total BTEX		ND	0 00105	ND	0 00105	ND	0 00105				
Percent Moisture	*Extracted:*										
	Analyzed:	Nov-04-11 10:40		Nov-04-11 10:40		Nov-04-11 10:40					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		4.73	1.00	4.57	1.00	5.10	1.00				
TPH By SW8015B Mod	*Extracted:*	Nov-07-11 14:15		Nov-07-11 14:15		Nov-07-11 14:15					
	Analyzed:	Nov-08-11 02:35		Nov-08-11 03.11		Nov-08-11 03.47					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C10 Gasoline Range Hydrocarbons		ND	15.7	ND	15.7	ND	15 8				
C10-C28 Diesel Range Hydrocarbons		108	15 7	ND	15.7	ND	15.8				
Total TPH		108	15.7	ND	15.7	ND	15.8				

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 affect the recovery of the spike concentration. This condition could also affect 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.

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E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

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RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

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Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Robert Asher

Company Name: Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4217 Fax No: 575-748-4662

Sampler Signature:

e-mail: boba@yatespetroleum.com

Project Name: Knoll AOK Federal #1

Project #: 30-015-28127

Project Loc: Eddy County

PO #: 105632

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 430848

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH 418.1 8015M 8015B	TPH TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	RCI	N O R.M	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Comp-00.5	6"	6"	11/1/2011	1:26 PM			X								S	X								X					X
02	Comp-01.0	12"	12"	11/1/2011	1:38 PM			X								S	X								X					X
03	Comp-01.5	18"	18"	11/1/2011	1:50 PM			X								S	X								X					X

Special Instructions: **TPH 8015M, BTEX 8021B ONLY.** ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Asher	11/02/11	2:33 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Fedex				11-3-11	10:35

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered		N
by Sampler/Client Rep ?	Y	

by Courier? UPS DHL (FedEx) Lone Star

4029 glass

Temperature Upon Receipt: 4.5 °C

XENCO Laboratories	Document Title: Sample Receipt Checklist
Atlanta, Boca Raton, Corpus Christi, Dallas	Document No.: SYS-SRC
Houston, Miami, Odessa, Philadelphia	Revision/Date: No. 01, 5/27/2010
Phoenix, San Antonio, Tampa	Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum

Date/Time: 11.3.11 10:35

Lab ID # : 430848

Initials: WR

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	4.5 °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 429605

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Knoll AOK Federal #1

30-015-28127

24-OCT-11

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), 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 Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

24-OCT-11

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

Reference: XENCO Report No: **429605**
Knoll AOK Federal #1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 429605. 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. 429605 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

Sample Cross Reference 429605

Yates Petroleum Corporation, Artesia, NM

Knoll AOK Federal #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	10-04-11 11:10	6 - 6 In	429605-001
Comp-01.0	S	10-04-11 11:26	12 - 12 In	429605-002
Comp-01.5	S	10-04-11 11:40	18 - 18 In	429605-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Knoll AOK Federal #1

Project ID:	*30-015-28127*	*Report Date:*	*24-OCT-11*
Work Order Number:	*429605*	*Date Received:*	*10/14/2011*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-872513 Percent Moisture
The RPD between the Sample and Sample Duplicate is outside of the QC limits. This is most likely due to sample non-homogeneity.

Certificate of Analysis Summary 429605

Yates Petroleum Corporation, Artesia, NM

Project Name: Knoll AOK Federal #1

Project Id: 30-015-28127
Contact: Robert Asher
Project Location: Eddy County

Date Received in Lab: Fri Oct-14-11 01:52 pm
Report Date: 24-OCT-11
Project Manager: Brent Barron II

Analysis Requested											
	Lab Id:	429605-001		429605-002		429605-003					
	Field Id:	Comp-00.5		Comp-01.0		Comp-01 5					
	Depth:	6-6 In		12-12 In		18-18 In					
	Matrix:	SOLID		SOLID		SOLID					
	Sampled:	Oct-04-11 11:10		Oct-04-11 11:26		Oct-04-11 11:40					
Anions by E300	*Extracted:*										
	Analyzed:	Oct-17-11 18.01		Oct-17-11 18 01		Oct-17-11 18:01					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		8040	89.6	4310	43.4	2830	43 4				
Percent Moisture	*Extracted:*										
	Analyzed:	Oct-17-11 14.00		Oct-17-11 14:00		Oct-17-11 14:00					
	Units/RL:	%	RL	%	RL	%	RL				
Percent Moisture		6.28	1.00	3.21	1.00	3 13	1 00				

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

Brent Barron II
Odessa Laboratory Manager

Final 1.000

XENCO Laboratories

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 affect the recovery of the spike concentration. This condition could also affect 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 quantiation limit and above the detection limit.

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 **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

Environmental Lab of Texas

A Xenco Laboratories Company

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: **Knoll AOK Federal #1**

Company Name: Yates Petroleum Corporation

Project #: 30-015-28127

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217 Fax No: 575-748-4662

Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature:

e-mail: boba@yatespetroleum.com

(lab use only)

ORDER #: 429598 / 429605 Chlorides

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP/TOTAL TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Comp-00.5	6"	6"	10/4/2011	11:10 AM			X								S	X							X			X				X
02	Comp-01.0	12"	12"	10/4/2011	11:26 AM			X								S	X							X			X				X
03	Comp-01.5	18"	18"	10/4/2011	11:40 AM			X								S	X							X			X				X
	PLEASE PUT CHLORIDES																														
	ON SEPARATE REPORT																														

Special Instructions: **TPH 8015M, BTEX 8021B & Chlorides.** ALL results in mg/kg. Thank you.

Relinquished by	Date	Time	Received by	Date	Time
Robert Asher	10/13/11	11.47 AM		10/13/11	11:47 A
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT:	Date	Time
	10/14/11	1:55P		10/14/11	1:52

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

402 C.F.

Temperature Upon Receipt: 3.0 °C

XENCO Laboratories	Document Title: Sample Receipt Checklist
Atlanta, Boca Raton, Corpus Christi, Dallas	Document No.: SYS-SRC
Houston, Miami, Odessa, Philadelphia	Revision/Date: No. 01, 5/27/2010
Phoenix, San Antonio, Tampa	Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Vates

Date/Time: 10/14/11 13:52

Lab ID #: 429598/429605 Chlorides

Initials: AH

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	3 °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