

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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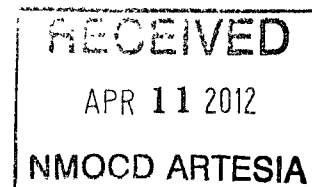
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CHIEF ADMINISTRATIVE OFFICER

April 11, 2012

Mr. Mike Bratcher
NMOCD District II
811 S. First Street
Artesia, NM 88210



Re: Loving AIB State #1
30-015-22889
Section 16, T23S-R28E
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 February 14, 2012 (2RP-1039). Impacted soils to the west of the production pad were excavated and hauled to an NMOCD approved facility. Vertical and horizontal delineation samples were taken and sent to an NMOCD approved laboratory. Enclosed are the analytical reports, results show TPH and BTEX, to be below RRAL's, based on a site ranking of twenty (depth to ground water recorded at 55' per NMOSE, Section 16, T23S-R28E); Yates Petroleum Corporation requests closure based on impacted soils excavated/hauled and analytical results.

If you have any questions, please call me at 575-748-4111.

Thank you.

YATES PETROLEUM CORPORATION

Amber Cannon

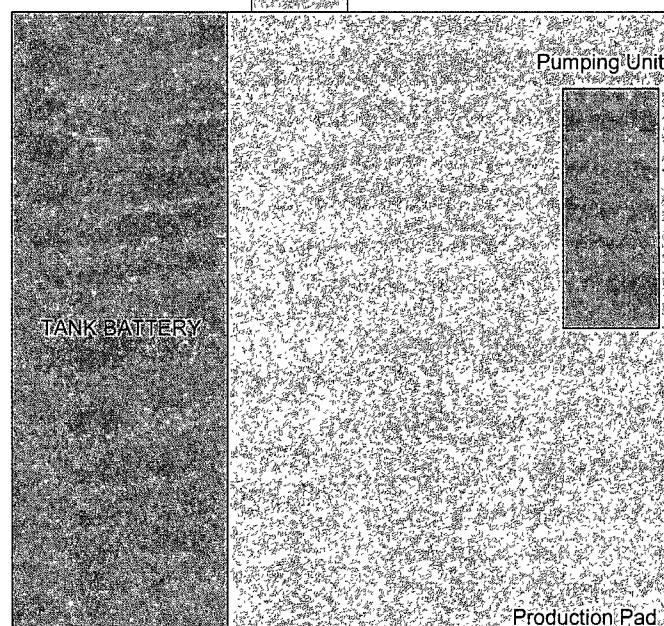
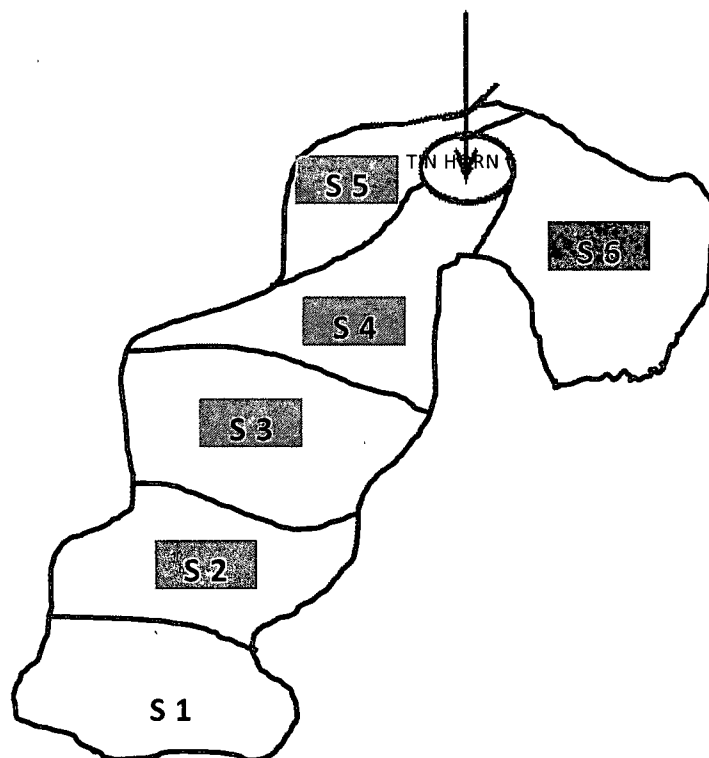
Amber Cannon
Environmental Regulatory Agent

/anc
Enclosure(s)



LEASE ROAD

TIN HORN



Loving AIB State #1
30-015-22889
Section 16, T23S-R28E
Eddy County, NM

SAMPLE DIAGRAM(Not to Scale)
Xenco Laboratories# 437855 & 438611
Cardinal Laboratories# H200473
Report Date: 8/18/2011

Prepared by Amber Cannon
Environmental Regulatory Agent

LOVING AIB STATE #1

Release 2/14/2012

Analytical Report- H200473	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
West 3 (S 1-3')	Release Area	2/21/2012	Grab/Backhoe	3'	ND	ND	ND	ND	112
West 4 (S 1-4')	Release Area	2/21/2012	Grab/Backhoe	4'	ND	ND	ND	ND	352

Analytical Report- 437855 & 437856	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
TH 3'	Release Area	2/28/2012	Grab/Backhoe	3'	ND	ND	ND	ND	16,000
TH 4'	Release Area	2/28/2012	Grab/Backhoe	4'	ND	ND	ND	ND	20,300

Analytical Report- 438611	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S 2-3'	Release Area	3/12/2012	Grab/Backhoe	3'	N/A	N/A	N/A	N/A	226
S 2-4'	Release Area	3/12/2012	Grab/Backhoe	4'	N/A	N/A	N/A	N/A	1280
S 3-3'	Release Area	3/12/2012	Grab/Backhoe	3'	N/A	N/A	N/A	N/A	399
S 3-4'	Release Area	3/12/2012	Grab/Backhoe	4'	N/A	N/A	N/A	N/A	188
S 4-3'	Release Area	3/12/2012	Grab/Backhoe	3'	N/A	N/A	N/A	N/A	225
S 4-4'	Release Area	3/12/2012	Grab/Backhoe	4'	N/A	N/A	N/A	N/A	707
S 5-5'	Release Area	3/12/2012	Grab/Backhoe	5'	N/A	N/A	N/A	N/A	16,100
S 5-6'	Release Area	3/12/2012	Grab/Backhoe	6'	N/A	N/A	N/A	N/A	16,500
S 5-7'	Release Area	3/12/2012	Grab/Backhoe	7'	N/A	N/A	N/A	N/A	9,210
S 5-8'	Release Area	3/12/2012	Grab/Backhoe	8'	N/A	N/A	N/A	N/A	10,400
S 6-3'	Release Area	3/12/2012	Grab/Backhoe	3'	N/A	N/A	N/A	N/A	27.4
S 6-4'	Release Area	3/12/2012	Grab/Backhoe	4'	N/A	N/A	N/A	N/A	48.6

Analytical Report- 439930	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S 5-9'	Release Area	3/30/2012	Grab/Backhoe	9'	N/A	N/A	N/A	N/A	58.8
S 5-10'	Release Area	3/30/2012	Grab/Backhoe	10'	N/A	N/A	N/A	N/A	73.1
S 5-11'	Release Area	3/30/2012	Grab/Backhoe	11'	N/A	N/A	N/A	N/A	37.9
S 5-12'	Release Area	3/30/2012	Grab/Backhoe	12'	N/A	N/A	N/A	N/A	62.5

Site Ranking is TWENTY (20). Depth to Ground Water <50' (approx. 55', Section 16-23S-28E, per NMOSE).

All results are ppm. Chlorides for documentation.

Released: 5 B/PW; Recovered: 0 B/PW. Release Date: 2/14/2012



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

February 29, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: LOVING AIB STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 02/23/12 11:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	02/23/2012	Sampling Date:	02/21/2012
Reported:	02/29/2012	Sampling Type:	Soil
Project Name:	LOVING AIB STATE #1	Sampling Condition:	Cool & Intact
Project Number:	30-015-22889 2/14/2012 RELEASE	Sample Received By:	Jodi Henson
Project Location:	16-23S-28E, EDDY COUNTY		

Sample ID: WEST 3 (H200473-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/24/2012	ND	416	104	400	3.77	

Sample ID: WEST 4 (H200473-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/24/2012	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



e-mail: acannon@yatespetroleum.com

#26 Page 4 of 4



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 29, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

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Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	02/23/2012	Sampling Date:	02/21/2012
Reported:	02/29/2012	Sampling Type:	Soil
Project Name:	LOVING AIB STATE #1	Sampling Condition:	Cool & Intact
Project Number:	30-015-22889 2/14/2012 RELEASE	Sample Received By:	Jodi Henson
Project Location:	16-23S-28E, EDDY COUNTY		

Sample ID: WEST 3 (H200473-01)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/29/2012	ND	2.10	105	2.00	2.86	
Toluene*	<0.050	0.050	02/29/2012	ND	2.27	114	2.00	2.79	
Ethylbenzene*	<0.050	0.050	02/29/2012	ND	2.32	116	2.00	2.60	
Total Xylenes*	<0.150	0.150	02/29/2012	ND	7.29	122	6.00	2.38	

Surrogate 4-Bromofluorobenzene (PIL) 110 % 64 4-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/24/2012	ND	192	96.0	200	3.91	
DRO >C10-C28	<10.0	10.0	02/24/2012	ND	158	79.2	200	8.16	

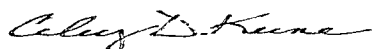
Surrogate 1-Chlorooctane 102 % 55 5-154

Surrogate 1-Chlorooctadecane 110 % 57 6-158

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	02/23/2012	Sampling Date:	02/21/2012
Reported:	02/29/2012	Sampling Type:	Soil
Project Name:	LOVING AIB STATE #1	Sampling Condition:	Cool & Intact
Project Number:	30-015-22889 2/14/2012 RELEASE	Sample Received By:	Jodi Henson
Project Location:	16-23S-28E, EDDY COUNTY		

Sample ID: WEST 4 (H200473-02)

BTX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2012	ND	2.10	105	2.00	2.86		
Toluene*	<0.050	0.050	02/29/2012	ND	2.27	114	2.00	2.79		
Ethylbenzene*	<0.050	0.050	02/29/2012	ND	2.32	116	2.00	2.60		
Total Xylenes*	<0.150	0.150	02/29/2012	ND	7.29	122	6.00	2.38		

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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/24/2012	ND	192	96.0	200	3.91	
DRO >C10-C28	<10.0	10.0	02/24/2012	ND	158	79.2	200	8.16	

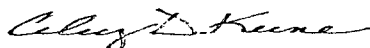
Surrogate 1-Chlorooctane 107 % 55 5-154

Surrogate 1-Chlorooctadecane 114 % 57 6-158

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Project Name: Loving AIB State #1

Project #: 30-015-22889 2/14/2012 Release

Project Loc: 16-23S-28E, Eddy County

PO #: 1032020

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: acannon@yatespetroleum.com

LAB # (lab use only)		Beginning Depth		Ending Depth		Date Sampled		Time Sampled		Field Filtered		Total # of Containers		Preservation & # of Containers		Matrix		TCLP TOTAL		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	
LAB # (lab use only)		Beginning Depth		Ending Depth		Date Sampled		Time Sampled		Field Filtered		Total # of Containers		Preservation & # of Containers		Matrix		TCLP TOTAL		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	
H200473 FIELD CODE		3'		3'		2/21/2012		10:00 AM		1		1		DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Petroleum Strictly Other		S		X		X	
West 3		3'		3'		2/21/2012		10:00 AM		1		1		DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Petroleum Strictly Other		S		X		X	
West 4		4'		4'		2/21/2012		10:05 AM		1		1		DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Petroleum Strictly Other		S		X		X	

Analytical Report 437855

for Yates Petroleum Corporation

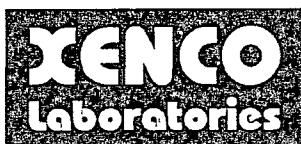
Project Manager: Amber Cannon

Loving AIB State # 1

30-015-22889 2/14/12 Release

01-MAR-12

Collected By: Client



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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)



01-MAR-12

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

Reference: XENCO Report No: **437855**
Loving AIB State # 1
Project Address: Eddy County

Amber Cannon:

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 437855. 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. 437855 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

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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



Sample Cross Reference 437855



Yates Petroleum Corporation, Artesia, NM

Loving AIB State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TH 3'	S	02-28-12 09:30	3 - 3 ft	437855-001
TH 4'	S	02-28-12 09:30	4 - 4 ft	437855-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Loving AIB State # 1



Project ID: 30-015-22889 2/14/12 Rel
Work Order Number: 437855

Report Date: 01-MAR-12
Date Received: 02/29/2012

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-882543 BTEX by EPA 8021B
SW8021BM

Batch 882543, Ethylbenzene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 437855-001, -002.

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



Certificate of Analysis Summary 437855

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-22889 2/14/12 Release

Contact: Amber Cannon

Project Location: Eddy County

Project Name: Loving AIB State # 1

Date Received in Lab: Wed Feb-29-12 11:35 am

Report Date: 01-MAR-12

Project Manager: Brent Barron II

Analysis Requested	Lab Id:	437855-001	437855-002				
	Field Id:	TH 3'	TH 4'				
	Depth:	3-3 ft	4-4 ft				
	Matrix:	SOIL	SOIL				
	Sampled:	Feb-28-12 09 30	Feb-28-12 09 30				
BTEX by EPA 8021B	Extracted:	Feb-29-12 14 11	Feb-29-12 14 11				
	Analyzed:	Feb-29-12 14 34	Feb-29-12 14 57				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		ND 0 00116	ND 0 00119				
Toluene		ND 0 00232	ND 0 00238				
Ethylbenzene		ND 0 00116	ND 0 00119				
m_p-Xylenes		ND 0 00232	ND 0 00238				
o-Xylene		ND 0 00116	ND 0 00119				
Total Xylenes		ND 0 00116	ND 0 00119				
Total BTEX		ND 0 00116	ND 0 00119				
Percent Moisture	Extracted:						
	Analyzed:	Feb-29-12 15 25	Feb-29-12 15 25				
	Units/RL:	% RL	% RL				
Percent Moisture		14.3 1.00	16.5 1.00				
TPH By SW8015B Mod	Extracted:	Feb-29-12 14 00	Feb-29-12 14 00				
	Analyzed:	Feb-29-12 15 28	Feb-29-12 15 59				
	Units/RL:	mg/kg RL	mg/kg RL				
C6-C10 Gasoline Range Hydrocarbons		ND 17.5	ND 17.9				
C10-C28 Diesel Range Hydrocarbons		ND 17.5	ND 17.9				
Total TPH		ND 17.5	ND 17.9				

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 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 quantitation 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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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6017 Financial Drive, Norcross, GA 30071
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(813) 620-2000	(813) 620-2033
(432) 563-1800	(432) 563-1713
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(602) 437-0330	

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

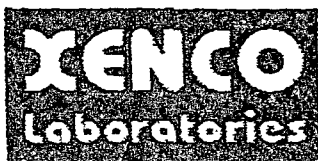
Project Manager: Amber Cannon
Company Name: Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4111
Sampler Signature: Amber Cannon

Fax No. 575-748-4585
e-mail: acannon@yatespetroleum.com

Project Name: Loving AIB State #1
Project #: 30-015-22889 2/14/12 Release
Project Loc: Eddy County
PO #: 1032020

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers										Matrix	Analyze For															RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
LAB # (lab use only)	ORDER #:									Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₄	None	Other (Specify)	DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH 418 1	TPH 418 2	TPH 418 3	TPH 418 4	TPH 418 5	TPH 418 6	TPH 418 7	TPH 418 8	TPH 418 9	TPH 418 10	TPH 418 11	TPH 418 12	TPH 418 13	TPH 418 14	TPH 418 15	TPH 418 16	TPH 418 17	TPH 418 18	TPH 418 19	TPH 418 20	TPH 418 21	TPH 418 22	TPH 418 23	TPH 418 24	TPH 418 25	TPH 418 26	TPH 418 27	TPH 418 28	TPH 418 29	TPH 418 30	TPH 418 31	TPH 418 32	TPH 418 33	TPH 418 34	TPH 418 35	TPH 418 36	TPH 418 37	TPH 418 38	TPH 418 39	TPH 418 40	TPH 418 41	TPH 418 42	TPH 418 43	TPH 418 44	TPH 418 45	TPH 418 46	TPH 418 47	TPH 418 48	TPH 418 49	TPH 418 50	TPH 418 51	TPH 418 52	TPH 418 53	TPH 418 54	TPH 418 55	TPH 418 56	TPH 418 57	TPH 418 58	TPH 418 59	TPH 418 60	TPH 418 61	TPH 418 62	TPH 418 63	TPH 418 64	TPH 418 65	TPH 418 66	TPH 418 67	TPH 418 68	TPH 418 69	TPH 418 70	TPH 418 71	TPH 418 72	TPH 418 73	TPH 418 74	TPH 418 75	TPH 418 76	TPH 418 77	TPH 418 78	TPH 418 79	TPH 418 80	TPH 418 81	TPH 418 82	TPH 418 83	TPH 418 84	TPH 418 85	TPH 418 86	TPH 418 87	TPH 418 88	TPH 418 89	TPH 418 90	TPH 418 91	TPH 418 92	TPH 418 93	TPH 418 94	TPH 418 95	TPH 418 96	TPH 418 97	TPH 418 98	TPH 418 99	TPH 418 100	TPH 418 101	TPH 418 102	TPH 418 103	TPH 418 104	TPH 418 105	TPH 418 106	TPH 418 107	TPH 418 108	TPH 418 109	TPH 418 110	TPH 418 111	TPH 418 112	TPH 418 113	TPH 418 114	TPH 418 115	TPH 418 116	TPH 418 117	TPH 418 118	TPH 418 119	TPH 418 120	TPH 418 121	TPH 418 122	TPH 418 123	TPH 418 124	TPH 418 125	TPH 418 126	TPH 418 127	TPH 418 128	TPH 418 129	TPH 418 130	TPH 418 131	TPH 418 132	TPH 418 133	TPH 418 134	TPH 418 135	TPH 418 136	TPH 418 137	TPH 418 138	TPH 418 139	TPH 418 140	TPH 418 141	TPH 418 142	TPH 418 143	TPH 418 144	TPH 418 145	TPH 418 146	TPH 418 147	TPH 418 148	TPH 418 149	TPH 418 150	TPH 418 151	TPH 418 152	TPH 418 153	TPH 418 154	TPH 418 155	TPH 418 156	TPH 418 157	TPH 418 158	TPH 418 159	TPH 418 160	TPH 418 161	TPH 418 162	TPH 418 163	TPH 418 164	TPH 418 165	TPH 418 166	TPH 418 167	TPH 418 168	TPH 418 169	TPH 418 170	TPH 418 171	TPH 418 172	TPH 418 173	TPH 418 174	TPH 418 175	TPH 418 176	TPH 418 177	TPH 418 178	TPH 418 179	TPH 418 180	TPH 418 181	TPH 418 182	TPH 418 183	TPH 418 184	TPH 418 185	TPH 418 186	TPH 418 187	TPH 418 188	TPH 418 189	TPH 418 190	TPH 418 191	TPH 418 192	TPH 418 193	TPH 418 194	TPH 418 195	TPH 418 196	TPH 418 197	TPH 418 198	TPH 418 199	TPH 418 200	TPH 418 201	TPH 418 202	TPH 418 203	TPH 418 204	TPH 418 205	TPH 418 206	TPH 418 207	TPH 418 208	TPH 418 209	TPH 418 210	TPH 418 211	TPH 418 212	TPH 418 213	TPH 418 214	TPH 418 215	TPH 418 216	TPH 418 217	TPH 418 218	TPH 418 219	TPH 418 220	TPH 418 221	TPH 418 222	TPH 418 223	TPH 418 224	TPH 418 225	TPH 418 226	TPH 418 227	TPH 418 228	TPH 418 229	TPH 418 230	TPH 418 231	TPH 418 232	TPH 418 233	TPH 418 234	TPH 418 235	TPH 418 236	TPH 418 237	TPH 418 238	TPH 418 239	TPH 418 240	TPH 418 241	TPH 418 242	TPH 418 243	TPH 418 244	TPH 418 245	TPH 418 246	TPH 418 247	TPH 418 248	TPH 418 249	TPH 418 250	TPH 418 251	TPH 418 252	TPH 418 253	TPH 418 254	TPH 418 255	TPH 418 256	TPH 418 257	TPH 418 258	TPH 418 259	TPH 418 260	TPH 418 261	TPH 418 262	TPH 418 263	TPH 418 264	TPH 418 265	TPH 418 266	TPH 418 267	TPH 418 268	TPH 418 269	TPH 418 270	TPH 418 271	TPH 418 272	TPH 418 273	TPH 418 274	TPH 418 275	TPH 418 276	TPH 418 277	TPH 418 278	TPH 418 279	TPH 418 280	TPH 418 281	TPH 418 282	TPH 418 283	TPH 418 284	TPH 418 285	TPH 418 286	TPH 418 287	TPH 418 288	TPH 418 289	TPH 418 290	TPH 418 291	TPH 418 292	TPH 418 293	TPH 418 294	TPH 418 295	TPH 418 296	TPH 418 297	TPH 418 298	TPH 418 299	TPH 418 300	TPH 418 301	TPH 418 302	TPH 418 303	TPH 418 304	TPH 418 305	TPH 418 306	TPH 418 307	TPH 418 308	TPH 418 309	TPH 418 310	TPH 418 311	TPH 418 312	TPH 418 313	TPH 418 314	TPH 418 315	TPH 418 316	TPH 418 317	TPH 418 318	TPH 418 319	TPH 418 320	TPH 418 321	TPH 418 322	TPH 418 323	TPH 418 324	TPH 418 325	TPH 418 326	TPH 418 327	TPH 418 328	TPH 418 329	TPH 418 330	TPH 418 331	TPH 418 332	TPH 418 333	TPH 418 334	TPH 418 335	TPH 418 336	TPH 418 337	TPH 418 338	TPH 418 339	TPH 418 340	TPH 418 341	TPH 418 342	TPH 418 343	TPH 418 344	TPH 418 345	TPH 418 346	TPH 418 347	TPH 418 348	TPH 418 349	TPH 418 350	TPH 418 351	TPH 418 352	TPH 418 353	TPH 418 354	TPH 418 355	TPH 418 356	TPH 418 357	TPH 418 358	TPH 418 359	TPH 418 360	TPH 418 361	TPH 418 362	TPH 418 363	TPH 418 364	TPH 418 365	TPH 418 366	TPH 418 367	TPH 418 368	TPH 418 369	TPH 418 370	TPH 418 371	TPH 418 372	TPH 418 373	TPH 418 374	TPH 418 375	TPH 418 376	TPH 418 377	TPH 418 378	TPH 418 379	TPH 418 380	TPH 418 381	TPH 418 382	TPH 418 383	TPH 418 384	TPH 418 385	TPH 418 386	TPH 418 387	TPH 418 388	TPH 418 389	TPH 418 390	TPH 418 391	TPH 418 392	TPH 418 393	TPH 418 394	TPH 418 395	TPH 418 396	TPH 418 397	TPH 418 398	TPH 418 399	TPH 418 400	TPH 418 401	TPH 418 402	TPH 418 403	TPH 418 404	TPH 418 405	TPH 418 406	TPH 418 407	TPH 418 408	TPH 418 409	TPH 418 410	TPH 418 411	TPH 418 412	TPH 418 413	TPH 418 414	TPH 418 415	TPH 418 416	TPH 418 417	TPH 418 418	TPH 418 419	TPH 418 420	TPH 418 421	TPH 418 422	TPH 418 423	TPH 418 424	TPH 418 425	TPH 418 426	TPH 418 427	TPH 418 428	TPH 418 429	TPH 418 430	TPH 418 431	TPH 418 432	TPH 418 433	TPH 418 434	TPH 418 435	TPH 418 436	TPH 418 437	TPH 418 438	TPH 418 439	TPH 418 440	TPH 418 441	TPH 418 442	TPH 418 443	TPH 418 444	TPH 418 445	TPH 418 446	TPH 418 447	TPH 418 448	TPH 418 449	TPH 418 450	TPH 418 451	TPH 418 452	TPH 418 453	TPH 418 454	TPH 418 455	TPH 418 456	TPH 418 457	TPH 418 458	TPH 418 459	TPH 418 460	TPH 418 461	TPH 418 462	TPH 418 463	TPH 418 464	TPH 418 465	TPH 418 466	TPH 418 467	TPH 418 468	TPH 418 469	TPH 418 470	TPH 418 471	TPH 418 472	TPH 418 473	TPH 418 474	TPH 418 475	TPH 418 476	TPH 418 477	TPH 418 478	TPH 418 479	TPH 418 480	TPH 418 481	TPH 418 482	TPH 418 483	TPH 418 484	TPH 418 485	TPH 418 486	TPH 418 487	TPH 418 488	TPH 418 489	TPH 418 490	TPH 418 491	TPH 418 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575	TPH 418 576	TPH 418 577	TPH 418 578	TPH 418 579	TPH 418 580	TPH 418 581	TPH 418 582	TPH 418 583	TPH 418 584	TPH 418 585	TPH 418 586	TPH 418 587	TPH 418 588	TPH 418 589	TPH 418 590	TPH 418 591	TPH 418 592	TPH 418 593	TPH 418 594	TPH 418 595	TPH 418 596	TPH 418 597	TPH 418 598	TPH 418 599	TPH 418 600	TPH 418 601	TPH 418 602	TPH 418 603	TPH 418 604	TPH 418 605	TPH 418 606	TPH 418 607	TPH 418 608	TPH 418 609	TPH 418 610	TPH 418 611	TPH 418 612	TPH 418 613	TPH 418 614	TPH 418 615	TPH 418 616	TPH 418 617	TPH 418 618	TPH 418 619	TPH 418 620	TPH 418 621	TPH 418 622	TPH 418 623	TPH 418 624	TPH 418 625	TPH 418 626	TPH 418 627	TPH 418 628	TPH 418 629	TPH 418 630	TPH 418 631	TPH 418 632	TPH 418 633	TPH 418 634	TPH 418 635	TPH 418 636	TPH 418 637	TPH 418 638	TPH 418 639	TPH 418 640	TPH 418 641	TPH 418 642	TPH 418 643	TPH 418 644	TPH 418 645	TPH 418 646	TPH 418 647	TPH 418 648	TPH 418 649	TPH 418 650	TPH 418 651	TPH 418 652	TPH 418 653	TPH 418 654	TPH 418 655	TPH 418 656	TPH 418 657	TPH 418 658	TPH 418 659	TPH 418 660	TPH 418 661	TPH 418 662	TPH 418 663	TPH 418 664	TPH 418 665	TPH 418 666	TPH 418 667	TPH 418 668	TPH 418 669	TPH 418 670	TPH 418 671	TPH 418 672	TPH 418 673	TPH 418 674	TPH 418 675	TPH 418 676	TPH 418 677	TPH 418 678	TPH 418 679	TPH 418 680	TPH 418 681	TPH 418 682	TPH 418 683	TPH 418 684	TPH 418 685	TPH 418 686	TPH 418 687	TPH 418 688	TPH 418 689	TPH 418 690	TPH 418 691	TPH 418 692	TPH 418 693	TPH 418 694	TPH 418 695	TPH 418 696	TPH 418 697	TPH 418 698	TPH 418 699	TPH 418 700	TPH 418 701	TPH 418 702	TPH 418 703	TPH 418 704	TPH 418 705	TPH 418 706	TPH 418 707	TPH 418 708	TPH 418 709	TPH 418 710	TPH 418 711	TPH 418 712	TPH 418 713	TPH 418 714	TPH 418 715	TPH 418 716	TPH 418 717	TPH 418 718

**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

Date/Time:

2-29-12 11:35

Lab ID #:

437835 / 437966

Initials:

AG**Sample Receipt Checklist**

1. Samples on ice?	Blue	Water	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	No	<u>N/A</u>	
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 <u>4.5</u> °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 437856

for
Yates Petroleum Corporation

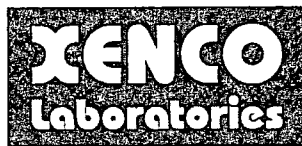
Project Manager: Amber Cannon

Loving AIB State # 1

30-015-22889 2/14/12 Release

02-MAR-12

Collected By: Client



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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)

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

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



02-MAR-12

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

Reference: XENCO Report No: **437856**
Loving AIB State # 1
Project Address: Eddy County

Amber Cannon:

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 437856. 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. 437856 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.

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Sample Cross Reference 437856



Yates Petroleum Corporation, Artesia, NM

Loving AIB State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TH 3'	S	02-28-12 09:30	3 - 3 ft	437856-001
TH 4'	S	02-28-12 09:30	4 - 4 ft	437856-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Loving AIB State # 1



Project ID: 30-015-22889 2/14/12 Rel

Work Order Number: 437856

Report Date: 02-MAR-12

Date Received: 02/29/2012

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 437856

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-22889 2/14/12 Release

Contact: Amber Cannon

Project Location: Eddy County

Project Name: Loving AIB State # 1

Date Received in Lab: Wed Feb-29-12 11:35 am

Report Date: 02-MAR-12

Project Manager: Brent Barron II

Analysis Requested	Lab Id:	437856-001	437856-002				
	Field Id:	TH 3'	TH 4'				
	Depth:	3-3 ft	4-4 ft				
	Matrix:	SOIL	SOIL				
	Sampled:	Feb-28-12 09 30	Feb-28-12 09 30				
Anions by E300	Extracted:						
	Analyzed:	Feb-29-12 15 17	Feb-29-12 15:17				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		16000 490	20300 503				
Percent Moisture	Extracted:						
	Analyzed:	Feb-29-12 15:25	Feb-29-12 15:25				
	Units/RL:	% RL	% RL				
Percent Moisture		14 3 1.00	16 5 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.

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 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 quantitation 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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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Odessa, Texas 79765**

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Fax: 432-563-1713

Project Manager Amber Cannon

Project Name: **Loving AIB State #1**

Company Name Yates Petroleum Corporation

Project #: 30-015-22889 2/14/12 Release

Company Address. 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 1032020

Telephone No: 575-748-4111

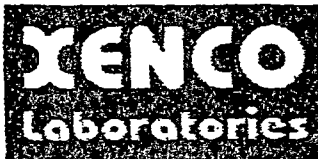
Fax No: 575-748-4585

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Amber Cannon

e-mail acannon@yatespetroleum.com

[illegible]



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
Date/Time: 2-29-12 11:35
Lab ID #: 437855 / 437966
Initials: AE

Sample Receipt Checklist

1. Samples on ice?	Blue	Water	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	No	<u>N/A</u>	
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 <u>4.5</u> °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 5.5.3.3.1.a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis

Analytical Report 438611

for

Yates Petroleum Corporation

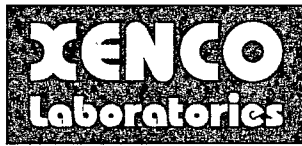
Project Manager: Amber Cannon

Loving AIB State # 1

30-015-22889 2/14/12 Release

20-MAR-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)



20-MAR-12

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

Reference: XENCO Report No: **438611**
Loving AIB State # 1
Project Address: Eddy County

Amber Cannon:

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 438611. 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. 438611 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 438611



Yates Petroleum Corporation, Artesia, NM

Loving AIB State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S 2-3'	S	03-12-12 09:55	3 - 3 ft	438611-001
S 2-4'	S	03-12-12 09:55	4 - 4 ft	438611-002
S 3-3'	S	03-12-12 10:55	3 - 3 ft	438611-003
S 3-4'	S	03-12-12 10:55	4 - 4 ft	438611-004
S 4-3'	S	03-12-12 10:55	3 - 3 ft	438611-005
S 4-4'	S	03-12-12 11:45	4 - 4 ft	438611-006
S 5-5'	S	03-12-12 11:45	5 - 5 ft	438611-007
S 5-6'	S	03-12-12 11:45	6 - 6 ft	438611-008
S 5-7'	S	03-12-12 11:45	7 - 7 ft	438611-009
S 5-8'	S	03-12-12 11:45	8 - 8 ft	438611-010
S 6-3'	S	03-12-12 11:30	3 - 3 ft	438611-011
S 6-4'	S	03-12-12 11:30	4 - 4 ft	438611-012



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Loving AIB State # 1



Project ID: 30-015-22889 2/14/12 Rel

Work Order Number: 438611

Report Date: 20-MAR-12

Date Received: 03/13/2012

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 438611

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-22889 2/14/12 Release

Contact: Amber Cannon

Project Location: Eddy County

Project Name: Loving AIB State # 1

Date Received in Lab: Tue Mar-13-12 11:40 am

Report Date: 20-MAR-12

Project Manager: Brent Barron II

Analysis Requested	Lab Id:	438611-001	438611-002	438611-003	438611-004	438611-005	438611-006
	Field Id:	S 2-3'	S 2-4'	S 3-3'	S 3-4'	S 4-3'	S 4-4'
	Depth:	3-3 ft	4-4 ft	3-3 ft	4-4 ft	3-3 ft	4-4 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Mar-12-12 09:55	Mar-12-12 09:55	Mar-12-12 10:55	Mar-12-12 10:55	Mar-12-12 10:55	Mar-12-12 11:45
Anions by E300	Extracted:						
	Analyzed:	Mar-13-12 18:55	Mar-13-12 18:55	Mar-13-12 18:55	Mar-13-12 18:55	Mar-13-12 18:55	Mar-13-12 18:55
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		226 22.1	1280 46.3	399 17.9	188 17.9	225 22.3	707 17.7
Percent Moisture	Extracted:						
	Analyzed:	Mar-13-12 14:30	Mar-13-12 14:30	Mar-13-12 14:30	Mar-13-12 14:30	Mar-13-12 14:30	Mar-13-12 14:30
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		5.10 1.00	9.19 1.00	5.90 1.00	5.93 1.00	6.00 1.00	5.25 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



Certificate of Analysis Summary 438611

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-22889 2/14/12 Release

Contact: Amber Cannon

Project Location: Eddy County

Project Name: Loving AIB State # 1

Date Received in Lab: Tue Mar-13-12 11:40 am

Report Date: 20-MAR-12

Project Manager: Brent Barron II

Analysis Requested	Lab Id:	438611-007	438611-008	438611-009	438611-010	438611-011	438611-012
	Field Id:	S 5-5'	S 5-6'	S 5-7'	S 5-8'	S 6-3'	S 6-4'
	Depth:	5-5 ft	6-6 ft	7-7 ft	8-8 ft	3-3 ft	4-4 ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Mar-12-12 11:45	Mar-12-12 11:45	Mar-12-12 11:45	Mar-12-12 11:45	Mar-12-12 11:30	Mar-12-12 11:30
Anions by E300	Extracted:						
	Analyzed:	Mar-13-12 18:55	Mar-13-12 18:55	Mar-14-12 18:13	Mar-14-12 18:13	Mar-14-12 18:13	Mar-14-12 18:13
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		16100 207	16500 209	9210 209	10400 199	27.4 4.40	48.6 4.39
Percent Moisture	Extracted:						
	Analyzed:	Mar-13-12 14:30	Mar-13-12 14:30	Mar-13-12 14:30	Mar-13-12 14:30	Mar-13-12 14:30	Mar-13-12 14:30
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		19.0 1.00	19.8 1.00	19.8 1.00	15.5 1.00	4.60 1.00	4.39 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 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 quantitation 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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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2505 North Falkenburg Rd, Tampa, FL 33619
12600 West I-20 East, Odessa, TX 79765
6017 Financial Drive, Norcross, GA 30071
3725 E Atlanta Ave, Phoenix, AZ 85040

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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East
Odessa, Texas 79765**

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

Project Manager: Amber Cannon

Project Name: **Loving AIB State #1**

Company Name Yates Petroleum Corporation

Project #: 30-015-22889 2/14/12 Release

Company Address. 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 1032020

Telephone No 575-748-4111

Fax No: 575-748-4585

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature Imber Cannon

e-mail: acannon@yatespetroleum.com

[illegible]

**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
Date/Time: 3/3/12 11:40
Lab ID #: 439611
Initials: WR/AE

Sample Receipt Checklist

1. Samples on ice?	Blue	Water	<u>No</u>	
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	No	<u>N/A</u>	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>17</u> °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 439930

for Yates Petroleum Corporation

Project Manager: Amber Cannon

Loving AIB State # 1

30-015-22889 2/14/12 Release

06-APR-12

Collected By: Client



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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)



06-APR-12

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

Reference: XENCO Report No: **439930**
Loving AIB State # 1
Project Address: Eddy County

Amber Cannon:

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 439930. 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. 439930 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 439930

Yates Petroleum Corporation, Artesia, NM

Loving AIB State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S 5-9'	S	03-30-12 08:45	9 - 9 ft	439930-001
S 5-10'	S	03-30-12 08:50	10 - 10 ft	439930-002
S 5-11'	S	03-30-12 08:55	11 - 11 ft	439930-003
S 5-12'	S	03-30-12 09:00	12 - 12 ft	439930-004



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Loving AIB State # 1

Project ID: 30-015-22889 2/14/12 Rel

Work Order Number: 439930

Report Date: 06-APR-12

Date Received: 04/02/2012

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 439930

Yates Petroleum Corporation, Artesia, NM

Project Name: Loving AIB State # 1

Project Id: 30-015-22889 2/14/12 Release

Contact: Amber Cannon

Project Location: Eddy County

Date Received in Lab: 'Mon Apr-02-12 01:45 pm

Report Date: '06-APR-12

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	439930-001	439930-002	439930-003	439930-004		
	<i>Field Id:</i>	S 5-9'	S 5-10'	S 5-11'	S 5-12'		
	<i>Depth:</i>	9-9 ft	10-10 ft	11-11 ft	12-12 ft		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Mar-30-12 08:45	Mar-30-12 08:50	Mar-30-12 08:55	Mar-30-12 09:00		
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Apr-04-12 10:41	Apr-04-12 10:41	Apr-04-12 10:41	Apr-04-12 10:41		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		58.8 1.02	73.1 1.01	37.9 1.01	62.5 1.03		
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Apr-02-12 14:10	Apr-02-12 14:10	Apr-02-12 14:10	Apr-02-12 14:10		
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL		
Percent Moisture		17.6 1.00	17.2 1.00	16.8 1.00	18.2 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 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 quantitation 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
- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Amber Cannon

Project Name: Loving AIB State #1

Company Name: Yates Petroleum Corporation

Project #: 30-015-22889 2/14/12 Release

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 1032020

Telephone No: 575-748-4111 or 575-513-8799

Fax No: 575-748-4585

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Amber Cannon

e-mail: acannon@yatespetroleum.com

(lab use only)

ORDER #: 439930

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Portable Specify Other	TPH	418.1	8015M	8015B	TPH	TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg 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	S 5-9'	9'	9'	3/30/2012	8:45 AM		1									S																				X		X	
02	S 5-10'	10'	10'	3/30/2012	8:50 AM		1									S																				X		X	
03	S 5-11'	11'	11'	3/30/2012	8:55 AM		1									S																				X		X	
04	S 5-12'	12'	12'	3/30/2012	9:00 AM		1									S																				X		X	
																																	</						

Special Instructions:

Laboratory Comments:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by ELOT:

Date

Time

VOCs Free of Headspace?

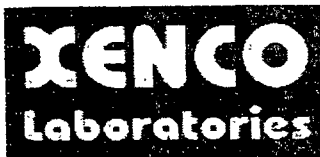
Custody seals on container(s)

Sample Hand Delivered

by Sampler/Client Rep.?

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:

**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
Date/Time: 4.2.12 13:45
Lab ID #: 439930
Initials: AE

Sample Receipt Checklist

1. Samples on ice?	Blue	Water	<u>No</u>	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and <u>bottles</u> ?	<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	No	<u>N/A</u>	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>24.5</u> °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