

Two Track Road

Buried Pipeline									
Analytical Report-		Sample 🔮		* # for					
426011 & 426013	Sample Area	Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
									1987 - 1986 e
Comp-01.0	Release Area	8/16/2011	2,Comp/Auger		s ND	ND	ND	ND /	2080
						R.Z. A.			
Comp-02.0	Release Area	8/16/2011	Comp/Auger	2 / A	ND ND	ND	ND	ND	2820
Analytical Report-		Sample						^	2000
429606	Sample Area	Date 5	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-03.0	Release Area	10/11/2011	Comp/Backhoe	-3'					.9120
			18. J. S.						- - 1
Comp-04-0	Release Area	10/11/2011	Comp/Backhoe	4'					.5530
Analytical Report-		Sample			38 - 19 84		1	all and the	- Re
431735	Sample Area	🖉 Date 🔧	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-0510	Release Area	11/16/2011	Comp/Backhoe	5'					4330
						語の時代の			
Comp-06.0	Release Area	11/16/2011	Comp/Backhoe	6'			影響	Ruz 2	465
							3.5		

7'

8'

Stockpiled (used for backfill)

Release Area 11/16/2011 Comp/Backhoe Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 70', per Trend Map).

Release Area | 11/16/2011 | Comp/Backhoe

All results are ppm. X - Sample Points

Released: 100 B/PW; Recovered: 90 B/PW. Release Date: 6/9/2011



Comp-07.0

Comp-08 0

Perdomo BMP State Com.#1

30-015-36499

Section 24, T24S-R27E

Eddy County, NM

SAMPLE DIAGRAM(Not to Scale)

Excavated/Hauled

500

334

Prepared by Robert Asher **Environmental Regulatory Agent**

Analytical Report 426011

for Yates Petroleum Corporation

Project Manager: Robert Asher

Perdomo BMP State Com. # 1-H

30-015-36499

23-AUG-11

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)

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



23-AUG-11

Project Manager: Robert Asher **Yates Petroleum Corporation**

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 426011 Perdomo BMP State Com. # 1-H 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 426011. 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. 426011 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,

AT AN

Brent Barron II Odessa Laboratory Manager

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Sample Cross Reference 426011

Yates Petroleum Corporation, Artesia, NM

Perdomo BMP State Com. # 1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-01.0	S	08-16-11 11:08	12 - 12 In	426011-001
Comp-02.0	S	08-16-11 11:34	24 - 24 In	426011-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Perdomo BMP State Com. # 1-H



 Project ID:
 30-015-36499

 Work Order Number:
 426011

Report Date: 23-AUG-11 Date Received: 08/18/2011

Sample receipt non conformances and comments: None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-868089 TPH By SW8015B Mod SW8015B_NM

Batch 868089, 1-Chlorooctane recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 426011-002.



Project Id: 30-015-36499

Contact: Robert Asher

Project Location: Eddy County

Certificate of Analysis Summary 426011

Yates Petroleum Corporation, Artesia, NM

Project Name: Perdomo BMP State Com. # 1-H



Date Received in Lab: Thu Aug-18-11 09:20 am

Report Date: 23-AUG-11

Project Manager: Brent Barron II

				<u>reject nina berr</u>	Brent Burrent	
Lab Id:	426011-001	426011-002				
Field Id:	Comp-01.0	Comp-02.0				
Depth:	12-12 In	24-24 In				
Matrix:	SOIL	SOIL				
Sampled:	Aug-16-11 11:08	Aug-16-11 11:34				
Extracted:	Aug-23-11 11:00	Aug-23-11 11:00				
Analyzed:	Aug-23-11 13:36	Aug-23-11 13 59				
Units/RL:	mg/kg RL	mg/kg RL				
	ND 0.00110	ND 0 00114				
	ND 0.00220	ND 0.00228				
	ND 0.00110	ND 0 00114				
	ND 0 00220	ND 0.00228				
	ND 0 00110	ND 0 00114				
	ND 0 00110	ND 0 00114				
	ND 0.00110	ND 0 00114				
Extracted:						
Analyzed:	Aug-18-11 15:45	Aug-18-11 15.45				
Units/RL:	% RL	% RL				
	9.55 1.00	12 3 1.00				
Extracted:	Aug-23-11 08:15	Aug-23-11 08:15				
Analyzed:	Aug-23-11 11:29	Aug-23-11 11:58				
Units/RL:	mg/kg RL	mg/kg RL				
	ND 166	ND 17.1				
	ND 16.6	ND 17.1				
	ND 166	ND 17.1				
	Field Id: Depth: Matrix: Sampled: Extracted: Analyzed: Units/RL: Extracted: Analyzed: Units/RL: Extracted: Analyzed:	Field Id: Comp-01.0 Depth: 12-12 In Matrix: SOIL Sampled: Aug-16-11 11:08 Extracted: Aug-23-11 11:00 Analyzed: Aug-23-11 13:36 Units/RL: mg/kg RL ND 0.00110 ND 0.00110 ND 0.00220 ND 0.00110 ND 0.00110 ND 0.00110 Extracted: Aug-18-11 5:45 Units/RL: % RL Analyzed: Aug-18-11 15:45 Units/RL: % RL 9.55 1.000 Extracted: Aug-23-11 08:15 Analyzed: Aug-23-11 11:29 Units/RL: mg/kg RL Units/RL: mg/kg RL ND 16.6 ND 16.6 ND 16.6	Field Id: Comp-01.0 Comp-02.0 Depth: 12-12 In 24-24 In Matrix: SOIL SOIL Sampled: Aug-16-11 11:08 Aug-16-11 11:34 Extracted: Aug-23-11 11:00 Aug-23-11 11:00 Analyzed: Aug-23-11 13:36 Aug-23-11 13:59 Units/RL: mg/kg RL mg/kg RL ND 0.00110 ND 0 00114 ND 0.00220 ND 0.00228 ND 0.00110 ND 0 00114 ND 0.00110 ND 0 00114 ND 0.00110 ND 0 00114 ND 0.00110 ND 0.00228 ND 0.00110 ND 0 00114 ND 0.00110 ND 0 00114 Extracted: Aug-18-11 15:45 Aug-18-11 15:45 Units/RL: % RL % Mathyzed: Aug-23-11 08:15 Aug-23-11 08:15 Analyzed: Aug-23-11 18:15 Aug-23-11 08:15 Analyzed: Aug-23-11 11:29 Aug-23-11 18:58	Lab Id: 426011-001 426011-002 Field Id: Comp-01.0 Comp-02.0 Depth: 12-12 In 24-24 In Matrix: SOIL SOIL Sampled: Aug-16-11 11:08 Aug-16-11 11:34 Extracted: Aug-23-11 11:00 Aug-23-11 13:36 Aug-23-11 13:39 Units/RL: mg/kg RL mg/kg RL ND 0.00110 ND 000114 10 ND 0.00220 ND 0.00228 11 ND 0.00110 ND 0.00114 11 Malyzed: Aug-18-11 15:45 Aug-18-11 15:45 10 Malyzed: Aug-18-11 15:45 Aug-18-11 15:45 100 Extracted: Aug-23-11 08:15 Aug-23-11 08:15 1.00 Analyzed: Aug-23-11 18:15 Aug-23-11 08:15 <t< td=""><td>Lab Id: 426011-001 426011-002 Field Id: Comp-01.0 Comp-02.0 Depth: 12-12 In 24-24 In Matrix: SOIL SOIL Sampled: Aug-16-11 11:08 Aug-16-11 11:34 Extracted: Aug-23-11 11:00 Aug-23-11 11:00 Analyzed: Aug-23-11 13:36 Aug-23-11 13:59 Units/RL: mg/kg RL mg/kg ND 0.00110 ND 000114 ND 0.00220 ND 0.00228 ND 0.00110 ND 0.00114 Extracted: Aug-18-11 15:45 Aug-18-11 15:45 Units/RL: % RL % 9.55 1.00 12.3 1.00 Extracted: Aug-23-11 11:29 Aug-23-11 10:58 Units/RL: mg/kg RL MQ 16.6 <t< td=""><td>Field Id: Comp-01.0 Comp-02.0 Depth: 12-12 In 24-24 In Matrix: SOIL SOIL Sampled: Aug-16-11 11:08 Aug-16-11 11:34 Extracted: Aug-23-11 11:00 Aug-23-11 11:00 Analyzed: Aug-23-11 13:36 Aug-23-11 13:59 Units/RL: mg/kg RL mg/kg ND 0.00110 ND 0.0014 ND 0.00100 ND 0.0014 ND 0.00100 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.00110 ND 0.0014 ND 0.00110 ND 0.0014 Malyzed: Aug-18-1115/45 Aug-18-1115/45 Units/RL: % RL % Stracted: Aug-23-11 08:15 Aug-23-11 08:15 Analyzed: Aug-23-11 08:15 Aug-23-11 11:58 Units/RL: % RL Aug-23-11 11:58 Units/RL:</td></t<></td></t<>	Lab Id: 426011-001 426011-002 Field Id: Comp-01.0 Comp-02.0 Depth: 12-12 In 24-24 In Matrix: SOIL SOIL Sampled: Aug-16-11 11:08 Aug-16-11 11:34 Extracted: Aug-23-11 11:00 Aug-23-11 11:00 Analyzed: Aug-23-11 13:36 Aug-23-11 13:59 Units/RL: mg/kg RL mg/kg ND 0.00110 ND 000114 ND 0.00220 ND 0.00228 ND 0.00110 ND 0.00114 Extracted: Aug-18-11 15:45 Aug-18-11 15:45 Units/RL: % RL % 9.55 1.00 12.3 1.00 Extracted: Aug-23-11 11:29 Aug-23-11 10:58 Units/RL: mg/kg RL MQ 16.6 <t< td=""><td>Field Id: Comp-01.0 Comp-02.0 Depth: 12-12 In 24-24 In Matrix: SOIL SOIL Sampled: Aug-16-11 11:08 Aug-16-11 11:34 Extracted: Aug-23-11 11:00 Aug-23-11 11:00 Analyzed: Aug-23-11 13:36 Aug-23-11 13:59 Units/RL: mg/kg RL mg/kg ND 0.00110 ND 0.0014 ND 0.00100 ND 0.0014 ND 0.00100 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.00110 ND 0.0014 ND 0.00110 ND 0.0014 Malyzed: Aug-18-1115/45 Aug-18-1115/45 Units/RL: % RL % Stracted: Aug-23-11 08:15 Aug-23-11 08:15 Analyzed: Aug-23-11 08:15 Aug-23-11 11:58 Units/RL: % RL Aug-23-11 11:58 Units/RL:</td></t<>	Field Id: Comp-01.0 Comp-02.0 Depth: 12-12 In 24-24 In Matrix: SOIL SOIL Sampled: Aug-16-11 11:08 Aug-16-11 11:34 Extracted: Aug-23-11 11:00 Aug-23-11 11:00 Analyzed: Aug-23-11 13:36 Aug-23-11 13:59 Units/RL: mg/kg RL mg/kg ND 0.00110 ND 0.0014 ND 0.00100 ND 0.0014 ND 0.00100 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.0010 ND 0.0014 ND 0.00110 ND 0.0014 ND 0.00110 ND 0.0014 Malyzed: Aug-18-1115/45 Aug-18-1115/45 Units/RL: % RL % Stracted: Aug-23-11 08:15 Aug-23-11 08:15 Analyzed: Aug-23-11 08:15 Aug-23-11 11:58 Units/RL: % RL Aug-23-11 11:58 Units/RL:

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 m 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.
- 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.

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Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

A Xenco Laboratories Company

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

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	Project Manager: Robert	Asher														_	Ρ	rojec	t Na	me:	Pe	rdo	ome	o B	MP	Sta	ate	Co	<u>m.</u> :	#1-H	<u> </u>
	Company Name Yates F	Petroleum Corporat	ion		<u> </u>					_						_		P	rojec	:t #:	30-	015	-36	<u>499</u>							
	Company Address: 105 So	uth 4th Street												_		_		Proj	ect l	.oc:	Edd	y Co	unty	/							
	City/State/Zip: Artesia	, NM 88210														_			P	O #:	105	632				<u> </u>					
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LAB # (lab use only)			Beginning Depth	Ending Depth	Date Sampled	Time Sampled	cield Filtered	Total # of Containers		ů.		04	NaOH	S ₂ O ₃	er (Specify)	DW=Drinking Water SL≂Sludge	6	418 1 8015M	TX 1005 TX 10	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SP / CEC	als As Ag Ba Cd Cr Pb Hg	tiles	Semivolatiles BTEX 80218/5030 or BTEX 82	RCI	N O.R M.	Chlorides		RUSH TAT (Pre-Schedule)24,48,72 hrs	Standard TAT
	FIELD CODI	E	Beg	E nd	Dat	Tin	Field	Total	ŝ	Ĭ	Ŗ	H₂SO₄	NaC	Na ₂ S ₂ None	Ğ	I=W0	- NO	HdL	Ηd	Catic	Anio	SAR	Metals	Volatiles	Sem BTE	RCI	o z	Сно С		RUSI	Star
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12	Comp-02.0)	24"	24"	8/16/2011	11:34 AM			×		-					L	S	×						\downarrow	X	4		X		<u> </u>	
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	ON SEPARATE REPORT																		_												
Special I	nstructions:	TPH 8015M, BT	EX 80	21B &	Chlorides.	ALL results in	mg	g/kg	н. Т	han	ik yo	ou.								Sar	nplə	Cor	tain		ntact		•	Ç		N N	
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Robert As	ther RCD/1APC	08/17/11	2.1	2 PM	}																				ntaine oler(s			2	¥-	N N	
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12600 West I-20 East



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:	Jates Petroli	lum
Date/Time:	81811 9.	70
Lab ID # :	426011 / 42	16013
Initials:	<u> </u>	

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?		Ges	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		
17. VOC sample have zero head space?		Yes	No	N/A	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	c	ooler 4 No	•	Cooler 5 No.	
	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact:	Contacted by:	Date/Time:
Regarding:		
Corrective Action Tak	·····	
Check all that apply:	□ Cooling process has begun shortly after condition acceptable by NELAC 5 □ Initial and Backup Temperature confirm	.5.8.3.1.a.1.

Client understands and would like to proceed with analysis

Analytical Report 426013

for Yates Petroleum Corporation

Project Manager: Robert Asher

Perdomo BMP State Com. # 1-H

30-015-36499

23-AUG-11

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



23-AUG-11

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

Reference: XENCO Report No: 426013 Perdomo BMP State Com. # 1-H 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 426013. 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. 426013 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 426013



Yates Petroleum Corporation, Artesia, NM

and the second second

Perdomo BMP State Com. # 1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-01.0	S	08-16-11 11:08	12 - 12 In	426013-001
Comp-02.0	S	08-16-11 11:34	24 - 24 In	426013-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Perdomo BMP State Com. # 1-H



 Project ID:
 30-015-36499

 Work Order Number:
 426013

Report Date: 23-AUG-11 Date Received: 08/18/2011

Sample receipt non conformances and comments: None

Sample receipt non conformances and comments per sample:

None



Project Id: 30-015-36499

Contact: Robert Asher

Project Location: Eddy County

Certificate of Analysis Summary 426013

Yates Petroleum Corporation, Artesia, NM

Project Name: Perdomo BMP State Com. # 1-H



Date Received in Lab: Thu Aug-18-11 09:20 am

Report Date: 23-AUG-11

Project Manager: Brent Barron II

	Lab Id:	426013-001	426013-002	Q	
Analysis Baayastad	Field Id:	Comp-01.0	Comp-02.0		
Analysis Requested	Depth:	12-12 In	24-24 In		
	Matrix:	SOIL	SOIL		
	Sampled:	Aug-16-11 11:08	Aug-16-11 11 34		
Anions by E300	Extracted:				
	Analyzed:	Aug-21-11 13·40	Aug-21-11 13:40		
	Units/RL:	mg/kg RL	mg/kg RL		
Chloride		2080 46.4	2820 47.9		
Percent Moisture	Extracted:				
	Analyzed:	Aug-18-11 15:45	Aug-18-11 15:45		
	Units/RL:	% RL	% RL		
Percent Moisture		9 55 1.00	12.3 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 OC 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.

BRL Below Reporting Limit.

RL	Rep	orting	Li	mit
	rep	orung	1.1	IIIIt

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.

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12600 West I-20 East, Odessa, TX 79765
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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

Pho

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

A Xenco Laboratories Company Phone: 432-563-1800 12600 West I-20 East Odessa, Texas 79765 Fax: 432-563-1713 Project Name: Perdomo BMP State Com. #1-H Project Manager: Robert Asher Project #: 30-015-36499 Company Name Yates Petroleum Corporation Company Address: 105 South 4th Street Project Loc: Eddy County City/State/Zip: PO #: 105632 Artesia NM 88210 Report Format: X Standard NPDES **Telephone No:** 575-748-4217 Fax No: 575-748-4662 Sampler Signature: boba@vatespetroleum.com e-mail: Analyze For. (lab use only) TCLP TOTAL 11.013 ORDER #: 42(1)|| Preservation & # of Containers Matrix Se RUSH TAT (Pre-Schedule)24,48,72 hrs BTEX 80218/5030 or BTEX 8260 Cr Pb Hg \$ õ 1006 S=Soil/Solid Anions (CI, SO4, Alkalinity) SL=Sludg ř Ŷ only) 8015M ö Хa. Beginning Depth Total #. of Containers Sampled Sampled (lab use Ending Depth SAR / ESP / CEC Metals As Ag Ba Specify) DW=Dnnking Water Cations (Ca, Mg. TX 1005 Standard TA 4181 Semivolatiles ield Filtered Chlorides Na₂S₂O₃ GW = Groui N O.R.M. Volatiles # Date 3 Other (līme ¥os₂H NaOH ю́МН None Ηd TPH PB ₽ 8 S FIELD CODE 01 Х Х 12" 12" 8/16/2011 11:08 AM Х S Х Х Comp-01.0 93 Х 24" 24" 8/16/2011 11:34 AM Х S Х Х Х Comp-02.0 72 HR TAT PLEASE PLEASE PUT CHLORIDES **ON SEPARATE REPORT Special Instructions:** TPH 8015M. BTEX 8021B & Chlorides. ALL results in ma/kg. Thank you. Laboratory Comments: Sample Containers Intact? Ν Ν VOCs Free of Headspace? Ν Relinguished by. Date Time Received by: Date Time Labels on container(s) N Custody seals on container(s) KCDIAPI 08/17/11 2:12 PM Custody seals on cooler(s) Ν Robert Asher Relinguished by: Date Time Date Time Sample Hand Delivered Ν Received by. by Sampler/Client Rep. ? Ν by Courier? UPS I ムレスリーならう Temperature Upon Receipt: edEx) DHL Lone Star Received by ELOT: andrea Elam Relinquished by: Date Time Date Time Feder 8.18 °C a 9.20 Û



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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:	Jates Retroleum	
Date/Time:	81311 9.20	
Lab ID # :	426011 / 426013	
Initials:	CIE	

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			
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		
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.	
Ibs 2.6 °C Ibs °C Ibs	°C	lbs	°C	lbs	°C

Contact:	Contacted by:	Date/Time:
Regarding:		
		· · · · · · · · · · · · · · · · · · ·
	en:	
Check all that apply:	Cooling process has begun shortly after condition acceptable by NELAC 5.5	sampling event and out of temperature i.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 429609

for Yates Petroleum Corporation

Project Manager: Robert Asher

Perdomo BMP State Com. #1-H

30-015-36499

20-OCT-11

Collected By: Client



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Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALII), 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 Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



20-OCT-11

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

Reference: XENCO Report No: **429609 Perdomo BMP State Com. #1-H** 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 429609. 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,

AN

Brent Barron II Odessa Laboratory Manager

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Sample Cross Reference 429609

Yates Petroleum Corporation, Artesia, NM

Perdomo BMP State Com. #1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-03.0	S	10-11-11 11:08	3 - 3 ft	429609-001
Comp-04.0	S	10-11-11 11:20	4 - 4 ft	429609-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Perdomo BMP State Com. #1-H



 Project ID:
 30-015-36499

 Work Order Number:
 429609

Report Date: 20-OCT-11 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.



Project Id: 30-015-36499

Contact: Robert Asher

Project Location: Eddy County

Certificate of Analysis Summary 429609

Yates Petroleum Corporation, Artesia, NM

Project Name: Perdomo BMP State Com. #1-H



Date Received in Lab: Fri Oct-14-11 01:54 pm

Report Date: 20-OCT-11

Project Manager: Brent Barron II

Lab Id:	429609-001	429609-002	
Field Id:	Comp-03 0	Comp-04.0	
Depth:	3-3 ft	4-4 ft	
Matrix:	SOLID	SOLID	
Sampled:	Oct-11-11 11:08	Oct-11-11 11:20	
Extracted:		······································	
Analyzed:	Oct-17-11 18 01	Oct-17-11 18:01	
Units/RL:	mg/kg RL	mg/kg RL	
	9120 91.3	5530 46.7	
Extracted:			
Analyzed:	Oct-18-11 10.00	Oct-17-11 14.00	
Units/RL:	% RL	% RL	
	7.97 1 00	10.1 1.00	
	Field Id: Depth: Matrix: Sampled: Extracted: Analyzed: Units/RL: Extracted: Analyzed:	Field Id: Comp-03 0 Depth: 3-3 ft Matrix: SOLID Sampled: Oct-11-11 11:08 Extracted:	Field Id: Comp-03 0 Comp-04.0 Depth: 3-3 ft 4-4 ft Matrix: SOLID SOLID Sampled: Oct-11-11 11:08 Oct-11-11 11:20 Extracted: Malyzed: Oct-17-11 18 01 Oct-17-11 18:01 Units/RL: mg/kg RL mg/kg RL Analyzed: Oct-18-11 10·00 Oct-17-11 14·00 Units/RL: % RL % RL

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

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 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.

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.

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	Project Manager:	Robert Asher														I	Proje	ect Na	me:	Pe	rdo	m	o Bl	MP	Sta	Ite	Coi	<u>m. #</u>	1-H	
	Company Name	Yates Petroleum Corporat	ion															Proje	ct #:	30-	015	-364	499							
	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-	4663	2					Rep	ort i	Forma	t:	$\overline{\mathbf{X}}$	Stan	darc	 1] TR	RP]		PDE	3
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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: V	ates		 <u></u>
Date/Time:	10/14/11	13:54	
Lab ID #: L	179609		
Initials:	<u>++</u>	<u> </u>	

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?		No		
12. Samples property preserved?	Yes	No	NA	
13. Sample container intact?	Yes	No		
14. Sufficient sample amount for indicated test(s)?	(Ves)	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.	
ibs 8 °C ibs °C ibs °	C ibs	°C	lbs	°C

Nonconformance Documentation								
Contact	Contacted by:	Date/Time:						
Regarding:								
Corrective Action Tak	ien:	······································						
			1.5					
Check all that apply:	Cooling process has begun shortly after sampling even condition acceptable by NELAC 5.5.8.3.1.a.1. Initial and Backup Temperature confirm out of temperat Client understands and would like to proceed with analy	ure conditions						

Analytical Report 431735

for Yates Petroleum Corporation

Project Manager: Robert Asher

Perdomo BMP State Com.#1-H

30-015-36499

22-NOV-11

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



22-NOV-11

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

Reference: XENCO Report No: 431735 Perdomo BMP State Com.#1-H 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 431735. 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. 431735 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 431735

Yates Petroleum Corporation, Artesia, NM

Perdomo BMP State Com.#1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-05.0	S	11-16-11 10:55	5 - 5 ft	431735-001
Comp-06.0	S	11-16-11 11:00	6 - 6 ft	431735-002
Comp-07.0	S	11-16-11 11:05	7 - 7 ft	431735-003
Comp-08.0	S	11-16-11 11:10	8 - 8 ft	431735-004



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Perdomo BMP State Com.#1-H



 Project ID:
 30-015-36499

 Work Order Number:
 431735

Report Date: 22-NOV-11 Date Received: 11/17/2011

Sample receipt non conformances and comments: None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 431735

Yates Petroleum Corporation, Artesia, NM

Project Name: Perdomo BMP State Com.#1-H



Date Received in Lab: Thu Nov-17-11 11:30 am

Contact: Robert Asher Project Location: Eddy County

Project Id: 30-015-36499

Report Date: 22-NOV-11

· · · · · · · · · · · · · · · · · · ·								Project Ma	nager:	Brent Barron II	
	Lab Id:	431735-0	001	431735-0	002	431735-0	03	431735-0	004		
Analysis Requested	Field Id:	Comp-05	5.0	Comp-06	5.0	Comp-07	.0	Comp-0	8.0		
Anuiysis Kequesieu	Depth:	5-5 ft		6-6 ft		7-7 ft		8-8 ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Nov-16-11	10.55	Nov-16-11	11:00	Nov-16-11 1	1:05	Nov-16-11	11:10		
Anions by E300	Extracted:							· ·			
	Analyzed:	Nov-21-11	11:53	Nov-21-11	11:53	Nov-21-11 1	11.53	Nov-21-11	11:53		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		4330	47.8	462	9.33	500	9.35	334	9.25		
Percent Moisture	Extracted:										
	Analyzed:	Nov-17-11	12:43	Nov-17-11	12.43	Nov-17-11	2:43	Nov-17-11	12.43		
	Units/RL:	%	RL	%	RL	%	RL	%	RL		
Percent Moisture		12.2	1.00	10.0	1.00	10.2	1.00	9.16	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		
+ Outside XENCO's scope of NEL	AC Accreditation. ^ NELAC	or State program does not offer Accreditation at this time.

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(210) 509-3334	(210) 509-3335
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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

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															_	Pr	ojec	t Na	me:	Pe	rdo	mo	<u>, BI</u>	<u>/P</u>	Sta	te (Con	n. #1	I-H
	Company Name	Yates Petroleur	n Corporati	on					<u></u>								_		Pı	rojec	:t #:	30-0	015-	-364	199						
	Company Address:	105 South 4th S	Street														_	I	Proje	ect L	.oc:	Eddy	y Coi	unty				•			
	City/State/Zip:	Artesia, NM 8	8210														-			PC)#:	1056	332								
	Telephone No:	575-748-4217					Fax No:		578	5-74	8-46	62					_ F	Repor	t Fo	rmat	:: [×s	Stand	dard			TRF	٦P	C		DES
	Sampler Signature:	0.4	\square	L			e-mail:		bc	ba	<u>@</u> y	ate	spe	etro	leu	<u>n.c</u>	om	<u> </u>													
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ab use	117177	~																				TOT									
ORDE	R#: 7:5773	<u></u>		r —	r	1			r		Prese	rvatio	n & #	t of C	ontaine	rs T		latrix	8015B				ł	e N D		260					14 L
LAB # (lab use only)	FIE	LD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	ice	HNO ₃	НСІ	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃ None	Other (Specify)	DW=Drnking Water SL=Sludge	GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other -	TPH 418.1 8015M 80	TPH. TX 1005 TX 1006	Cations (Ca. Mg. Na. K)	Anions (Cl. SO4, Alkalinity)	/ CEC	wetals As Ag ba ud ur Pb Hg	volatites Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R.M.	Chlorides		RUSH TAT (Pre-Schedule)24,48,72 hrs Standard TAT
	Cor	mp-05.0		5'	5'	11/16/2011	10:55 AM								X			S											x	\square	x
	Co	mp-06.0		6'	6'	11/16/2011	11:00 AM								X			s					Ι						x		x
	Cor	mp-07.0		7'	7'	11/16/2011	11:05 AM								_ x			S											x		x
	Co	mp-08.0		8'	8'	11/16/2011	11:10 AM								X			S											x		x
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				L_	1	<u> </u>																	\bot							\square	
Special	Instructions:	Chlori	des Only.	ALL	result	s in mg/kg. Ti	hank you.														Sán	iple (Cont	aine	ment is lint adspa	act?			E.	HE	NAB
Relinqui	shed by:		Date	1	ime	Received by										Da	ate		Tim	e	Lab	els o	n coi	ntâln	er(s) conta	يو او پار- توريد	1.5		19	5	$\mathbf{A}_{\mathbf{N}}$
Robert	Asher BEALU	K	11/16/11		1 PM	Developed by						-				<u> </u>			Tim		Cus	tody.	seal	și on	coole	er(s);			F	5	N I
Relinqui	shed by:		Date	'	ime	Received by:										U	ate		Tim		- 1	by Sa	amole	ar/Ch	livere ient Ro	en ?	.	-	$\overset{*}{\overset{*}{\overset{*}}}$		N N
Relingui	shed by. Focus		Date	Т	ime	Received by EL	ot: Notreo	ι	Ê	le	M	N)				ate]·		Tim]	- 20	Tem	pera	ture	r? 07 (Upo		5 Ceipt	DHL >	¢ C	edEx 7.C	-	e Star °C



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

•		Dai	1.2	
Client	ate	5 PETR	oleum	
Date/Time:	1	1.17.11	11.30	
Lab ID # :	43175	5		
Initials:		- HE		<u> </u>

Sample Receipt Checklist

			1 ······	
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)?	CY96	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 property preserved?	Yee	No	N/A	
13. Sample container intact?	Tes	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	j.	Cooler 5 No.	
	lbs	°C	lbs	°C

Nonconformance Documentation

Contact:	Contacted by:		Date/Time:				
Regarding:							
		/					
Corrective Action Tak	en:						
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	•					

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Final 1 000