

Analytical Report-	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO		Chlorides
GS/Comp-00.5 W	Release Area	7/20/2011	Comp/Auger	6" (18" BSL).	ND ND	ND	324	324	6010
GS/Comp-01.0	Release Area	7/20/2011	Comp/Auger	12" (24" BSL)	ND	ND	216	216	5540
IGS/Comp+00.5 P	Release Area	7/20/2011	Comp/Shovel	6" (12" BSL)	۶. ND	ND	1310	.1310	9840
GS/Comp-00.5 E	Release Area	7/20/2011	Comp/Àuger	6";(18" BSL)	ND	ND	ND	s (ND	7190
GS/Comp-01.0 E	Rélease Area	7/20/2011	Comp/Auger	12" (24" BSL)	ND	ND	ND	ND	6530
Analytical Report-	Sample Area	Sample Date	Sample Type	Depth:	₿ŤEX.	GRO	DRO	TOTAL	Chlorides
GS/Comp-02 0 W	Release Area	10/11/2011	Comp/Backhoe	24" (36" BSL)					3360
GS/Comp-03.0 W	Release Area	10/11/2011	Comp/Backhoe	36" (48" BSL)			to the second		1020
GS/Comp-04 0 W	Release Area	10/11/2011	Comp/Backhoe	48" (60" BSL)					238
s - GS/Comp-01 .0 R	Release Area	10/11/2011	Comp/Backhoe	12" (18" BSL)				entral and the second s	1330
GS/Comp-02.0 IP	Release Area	10/11/2011	Comp/Backhoe	24" (30" BSL)					697
<u> GS/Comp-03.0 P</u>	Release Area	10/11/2011	Comp/Backhoe	36" (42" BSL)					543
CS/Comp-02.0 E	Release Area	10/11/2011	Comp/Backhoe	24" (36" BSL)			a to the A	2 6° 4° 1.1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9650
CS/Comp=03.0 E	Release Area	10/11/2011	Comp/Backhoe	36" (48" BSL)					.6220
L GS/Comp-04.0 E j	Release Area	10/11/2011	Comp/Backhoe	48" (60" BSL)			1		1130

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 70', per Trend Map).

el -Impacted

All results are ppm. X - Sample Points BLS - Below Surface Level Released: 75 B/PW; Recovered: 70 B/PW. Release Date: 6/7/2011 -Impacted soils excavated/hauled.

PETROLEUM CORPORATION

Stogey BLG State Com.#1-H

30-015-36305

Section 36, T24S-R27E

Eddy County, NM

SAMPLE DIAGRAM(Not to Scale)

Xenco Laboratories# 424087, 424080 & 429606

Prepared by Robert Asher Environmental Regulatory Agent

Analytical Report 429606

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Stogey BLG State Com. #1-H

30-015-36305

24-OCT-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



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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 (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)



24-OCT-11



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

Reference: XENCO Report No: 429606 Stogey BLG 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 429606. 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. 429606 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 429606

Yates Petroleum Corporation, Artesia, NM

Stogey BLG State Com. #1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-02.0W	S	10-11-11 12:15	2 - 2 ft	429606-001
GS/Comp-03.0W	S	10-11-11 12:20	3 - 3 ft	429606-002
GS/Comp-04.0W	S	10-11-11 12:25	4 - 4 ft	429606-003
GS/Comp-01.0P	S	10-11-11 12:30	1 - 1 ft	429606-004
GS/Comp-02.0P	S	10-11-11 12:35	2 - 2 ft	429606-005
GS/Comp-03.0P	S	10-11-11 12:40	3 - 3 ft	429606-006
GS/Comp-02.0E	S	10-11-11 12:55	2 - 2 ft	429606-007
GS/Comp-03.0E	S	10-11-11 13:00	3 - 3 ft	429606-008
GS/Comp-04.0E	S	10-11-11 13:05	4 - 4 ft	429606-009



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Stogey BLG State Com. #1-H



 Project ID.
 30-015-36305

 Work Order Number:
 429606

Report Date: 24-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-872889 Percent Moisture RPD recovered outside QC limits between the sample and sample duplicate.



Certificate of Analysis Summary 429606

Yates Petroleum Corporation, Artesia, NM

Project Name: Stogey BLG State Com. #1-H



Date Received in Lab: Fri Oct-14-11 01.56 pm

Project Id: 30-015-36305 Contact: Robert Asher Project Location: Eddy County

Report Date: 24-OCT-11

								Project Mar	ager:	Brent Barron I	I		
	Lab Id:	429606-0	01	429606-0	02	429606-0	03	429606-0	04	429606-0	05	429606-0)06
Anglusis Dequested	Field Id:	GS/Comp-0	2 0 W	GS/Comp-0	3.0W	GS/Comp-04	4.0W	GS/Comp-0	1 OP	GS/Comp-0	2.0P	GS/Comp-(03 OP
Analysis Requested	Depth:	2-2 ft		3-3 ft		4-4 fi		1-1 ft		2-2 ft		3-3 ft	
	Matrix:	SOLIE)	SOLID)	SOLID		SOLID	SOLID			SOLIE)
	Sampled:	Oct-11-11	12:15	Oct-11-11	2:20	Oct-11-11 1	2:25	Oct-11-11 1	2:30	Oct-11-11 1	2:35	Oct-11-11	12:40
Anions by E300	Extracted:												
	Analyzed:	Oct-21-11	17:24	Oct-21-11	7.24	Oct-21-11 1	7.24	Oct-21-11	7.24	Oct-20-11 (0.32	Oct-20-11	00 32
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	ʻmg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3360	47.8	1020	48 2	238	24.6	1330	22.5	697	9 42	543	9 14
Percent Moisture	Extracted:												
	Analyzed:	Oct-17-11	14.40	Oct-17-11	14 40	Oct-17-11 1	4.40	Oct-17-11	4.40	Oct-17-11	14.40	Oct-17-11	14.40
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		12.2	1.00	12.9	1.00	14.6	1 00	6.76	1 00	10.8	1.00	8 05	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 involved for this work order unless officiencies agreed to in writing

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Brent Barron II Odessa Laboratory Manager

Page 5 of 12

Final 1 000



Project Id: 30-015-36305

Contact: Robert Asher

Project Location: Eddy County

Certificate of Analysis Summary 429606

Yates Petroleum Corporation, Artesia, NM

Project Name: Stogey BLG State Com. #1-H



Date Received in Lab: Fri Oct-14-11 01:56 pm

Report Date: 24-OCT-11

Project Manager: Brent Barron II

	Lab Id:	429606-0	07	429606-0	08	429606-0	009		
Analysis Roquestad	Field Id;	GS/Comp-0	02.0E	GS/Comp-0	3.0E	GS/Comp-(04 0E		
Analysis Kequestea	Depth:	2-2 ft		3-3 ft		4-4 ft			
	Matrix:	SOLIE	>	SOLID)	SOLIÉ	o l		
	Sampled:	Oct-11-11	12:55	Oct-11-11 1	3:00	Oct-11-11	13:05		
Anions by E300	Extracted:								
	Analyzed:	Oct-20-11	00:32	Oct-20-11 (0:32	Oct-20-11	00:32		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		9650	199	6220	99.9	1130	9.72	_	
Percent Moisture	Extracted:								
	Analyzed:	Oct-17-11	14.40	Oct-17-11 1	4:40	Oct-17-11	14:40		
	Units/RL:	%	RL	%	RL	%	RL		
Percent Moisture		15 5	1.00	15.9	1.00	13.6	1.00		

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FOR

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.

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

RL Reporting Limit

+ Outside XENCO's scope of NELAC Accreditation.

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XEN	CO-Envir	ronmenta	I Lab	i ot	Texas				12600	Wet	CH. st 1-2	AIN 20 Ea	OF (cus	тор)Y RI	ECC	DRD	ΑΛ	ID A	NA Pł	NL Y: hone	S/S 2: 43	REG 2-56) <i>UE</i> 3-18	S <i>T</i> 100				
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F	Project Manager:	Robert Asher														Pro	ject	Nan	ne: _	Sto	ge	yВ	LG	Sta	ate	Cor	<u>n. #</u>	1-H	 	
C	Company Name	Yates Petroleum Corp	oration												-		Pre	oject	: #: <u>(</u>	<u> 30-0</u>	15-	363	05							
c	Company Address:	105 South 4th Street	•													Ρ	roje	ct La	oc: [Eddy	Cou	unty								
c	City/State/Zip:	Artesia, NM 88210											_		_			PO)#:	1056	32									
٦	Telephone No:	575-748-4217	•			Fax No:	ę	575	-748-4	662					R	eport	For	mat	. [×]e	Stand	dard			TRF	٩P	Γ		DES	
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1	GS/Co	mp-02.0 W	2'	2'	10/11/2011	12:15 PM		1		\bot			_>	<		S						_	\bot	Ĺ			K			X
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13	GS/Co	mp-04.0 W	4'	4'	10/11/2011	12:25 PM	\square	_1	┝╌┼╴	╇		\vdash	2	<		<u>s</u>		$\left - \right $		_	_	_		<u> </u>	\square		×Ļ_	┶┛		Ľ
4	GS/Co	omp-01.0 P	<u>i</u> .	<u> 1'</u>	10/11/2011	12:30 PM	_	1	\vdash			\vdash	>	<	I	s					-	_			_↓	;	<u>×</u>	+		×
15	GS/Co	mp-02.0 P	2'	2'	10/11/2011	12:35 PM	$\left\{ \right\}$	_1	┢├-	+-		-		⊈		<u>s</u>					4	+	+-	+-	┝╌┤	<u>+</u> 2	<u>×</u>	+		×
19	GS/Co	omp-03.0 P		3'	10/11/2011	12.40 PM	{-}	1	┝╌┽╴	+	-	┝╌┼	- }	4-	┣—	<u>s</u>				-	-	_		+-	┝╌┤	-+	4	+	\vdash	×
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a	GS/Co	pmp-03.0 E	<u>3'</u>	4'	10/11/2011	1:00 PM	┼╌┤	$\frac{1}{1}$	┢╌┼╸			\square	$-\frac{1}{5}$			<u>s</u> s	┢	$\left - \right $			+	+	+-		┝┤		× ×	┼┤		$\frac{x}{x}$
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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	lates	Per	trolew	n-
Date/Time:	1014	11	13:56	
Lab ID # : -	29606	<u> </u>		
Initials:		<u>(18</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?	Yee	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	CNOS		
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 property preserved?	Yes	No	N/A	
13. Sample container intact?	Yès	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	No	(N/A)	
17. VOC sample have zero head space?	Yes	No	N/A)	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No).	Cooler 5 No.	
ibs 18.0°c ibs °c ibs °	C Ibs	°C	lbs	°C
Nonconformance Docum	entation		÷ 1	

Contacted by:_____ Contact_ 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

1. A. 1.

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Client understands and would like to proceed with analysis

Analytical Report 424088

for Yates Petroleum Corporation

Project Manager: Robert Asher

Stogey BLG State Com. #1-H

30-015-36305

27-JUL-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



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Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330) Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX) Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370) Xenco-Boca Raton (EPA Lab Code: FL01273): Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757) Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



27-JUL-11



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

Reference: XENCO Report No: **424088** Stogey BLG 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 424088. 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. 424088 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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著,你?"唐王帝的"这是我们,你就是我们都一样?"?""这个这个,这种,这个人有一个了这个女子,这个女子,你?"唐子母,你?她是我的你就是我的我是我们不能了我,我



Sample Cross Reference 424088

Yates Petroleum Corporation, Artesia, NM

Stogey BLG State Com. #1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-00.5 W	S	07-20-11 09:36	6 - 6 In	424088-001
GS/Comp-01.0 W	S	07-20-11 09:49	12 - 12 In	424088-002
GS/Comp-00.5 P	S	07-20-11 10:03	6 - 6 In	424088-003
GS/Comp-00.5 E	S	07-20-11 10:15	6 - 6 In	424088-004
GS/Comp-01.0 E	S	07-20-11 10:30	12 - 12 In	424088-005



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Stogey BLG State Com. #1-H



 Project ID:
 30-015-36305

 Work Order Number:
 424088

Report Date: 27-JUL-11 Date Received: 07/23/2011

Sample receipt non conformances and comments: None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-865337 Anions by E300 E300MI

Batch 865337, Chloride recovered above QC limits in the Matrix Spike. Samples affected are: 424088-003, -002, -001, -004, -005. The Laboratory Control Sample for Chloride is within laboratory Control Limits



1

Project Id: 30-015-36305

Contact: Robert Asher

Project Location: Eddy County

Certificate of Analysis Summary 424088

Yates Petroleum Corporation, Artesia, NM

Project Name: Stogey BLG State Com. #1-H



Date Received in Lab: Sat Jul-23-11 04.00 pm

Report Date: 27-JUL-11

· · · · · · · · · · · · · · · · · · ·								Project Mar	ager:	Brent Barron,	II	
	Lab Id:	424088-0	01	424088-0	02	424088-0	03	424088-0	04	424088-0	005	
Analysis Paguastad	Field Id:	GS/Comp-00	GS/Comp-00.5 W		.0 W	GS/Comp-0	GS/Comp-00 5 P		0.5 E	GS/Comp-01.0 E		
Anuiysis Kequesieu	Depth:	6-6 In		12-12 In	ı	6-6 In		6-6 In		12-12 In		
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		
	Sampled:	Jul-20-11 0	9:36	Jul-20-11 0	9:49	Jul-20-11 1	0:03	Jul-20-11 1	0:15	Jul-20-11 1	0:30	
Anions by E300	Extracted:							******				
	Analyzed:	Jul-26-11 0	7:05	Jul-26-11 0	7:05	Jul-26-11 0	7 05	Jul-26-11 0	7:05	Jul-26-11 0	7:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Chloride		6010	88.6	5540	89.6	9840	420	7190	91.1	6530	91.7	
Percent Moisture	Extracted:											
	Analyzed:	Jul-25-11 1	0:50	Jul-25-11 1	0:50	Jul-25-11 1	0:50	Jul-25-11 1	0∙50	Jul-25-11 1	0:50	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	
Percent Moisture		5.16	1.00	6.27	1.00	ND	1.00	7.84	1.00	8.42	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 tepresent 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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5757 NW 158th St. Miami Lakas EL 22014
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(2000 West 1-20 East, Odessa, TX 79765
bull / Financial Drive, Norcross, GA 300/1
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(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	

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: F	Robert Asher																Pro	ject	Nan	ne: _5	Stog	jey	BL	. <u>G</u> :	Staf	te C	<u>:or</u>	<u>ı. #1</u>	<u>-H</u>	
	Company Name	mpany Name Yates Petroleum Corporation													Pro	oject	#: <u>3</u>	0-01	5-30	6305	5										
	Company Address: 105 South 4th Street													P	roje	ct Lo	oc: E	iddy (Coun	ity											
	City/State/Zip: A	Artesia, NM 8821	M 88210													PO	#: 1	0563	2												
	Telephone No: 675-748-4662												Re	рол	For	mat			anda	urd		 									
	Sampler Signature	Jun	\bigcap	۶.			e-mail:			bo	oba	i≡ ⊡va	tesp	etrole	eum	.com													-		
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	oniy) ₹#: 424087	1424088	5						[F	reser	vatio	n & # o	f Cont	ainer	5	Ма	trix	58		 			┝─┤						8, 72 hrs	
LAB # (iab use only)	FIELD			Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	lce	HNO3	ΨCI	H ₂ SO4 NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Weter SL=Sludge GW = Greenstaater S=Souldout	NP=Non-Potable Specify Other	TPH 4181 8015M 801	TPH TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Antons (Cl. SU4, Alkalinity) SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg S	Volatiles	Semivolatites	BTEX 8021B/5030 or BTEX 826(RCI	N C K M. Chlorides		RUSH TAT (Pre-Schedule) 24, 45	Standard TAT
∞	GS/Corr	np-00.5 W		6"	6"	7/20/2011	9:36 AM		1	х							9	3	x							x		x	\Box		X
002	GS/Com	np-01.0 W		12"	12"	7/20/2011	9:49 AM		1	x		_					5	3	x							x		X	Ш		×
<u> 203</u>	GS/Con	np-00.5 P		6"	6"	7/20/2011	10:03 AM		1	х								3	x							x		X	Ц		X
204	GS/Con	np-00.5 E		6"	6"	7/20/2011	10:15 AM	L	1	х								<u> </u>	X							x		x			х
<u>W5</u>	GS/Con	np-01.0 E		12"	12"	7/20/2011	10:30 AM	_	1	x				╞				3	x		_	_	-	\downarrow	┝╼┥	×	\downarrow	<u> </u>	┞╌┼		Ц×
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	PLEASE PU	T CHLORIDES						┡					\square	\downarrow								_	-	$\downarrow \downarrow$	┝╾┥	_			\square	⊥	Ц
	ON SEPARA	ATE REPORT						Ļ						Ļ									Ĺ		Ĺ						Ц
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obert Asher Con (U/R C) 07/22/11 2.02 PM elinquished by Date Time Received by telinquished by: Date Time Received by																Da	Date Time S					ody si ody si ole Hi y San y Cou	eals eals and E npler/ uner?	on co on co Delive /Clien	ontai coler ered it Re UPS	ner(s (s) ip. ?	") у ЭНЦ		Proposed.		, Lar
comquis	Fed Ex	undon	1/2							71	23	-11	4	. ()	Temperature Upon Receipt:																



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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:	Yates	
Date/Time:	7-23.11	1:00
Lab ID # :	4240871	424088-01
Initials:	XXI	

Sample Receipt Checklist

1 Samples on ice?	Blue	Water	No	
2. Shinoing container in good condition?	Vici	No	None	
2. Shipping container in good condition?	Tes	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?	Tes	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	NIA	
17. VOC sample have zero head space?	Yes	No	(N/A)	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No		Cooler 5 No.	
lbs (o °C lbs °C lbs °C	lbs	°C	lbs	°C

	Nonconformance Do	cumentation
Contact:	Contacted by:	Date/Time:
Regarding:		
Corrective Action Tal	en:	
Check all that apply:	□ Cooling process has begun shortly after sar condition acceptable by NELAC 5.5.8.	npling event and out of temperature 3.1.a.1.
	Initial and Backup Temperature confirm out Client understands and would like to procee	of temperature conditions d with analysis

Analytical Report 424087

for Yates Petroleum Corporation

Project Manager: Robert Asher

Stogey BLG State Com. #1-H

30-015-36305

27-JUL-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-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370) Xenco-Boca Raton (EPA Lab Code: FL01273): Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757) Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



27-JUL-11

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

Reference: XENCO Report No: 424087 Stogey BLG 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 424087. 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.

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Respectfully,

ATT

Brent Barron, II Odessa Laboratory Manager

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Sample Cross Reference 424087

Yates Petroleum Corporation, Artesia, NM

Stogey BLG State Com. #1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-00.5 W	S	07-20-11 09:36	6 - 6 In	424087-001
GS/Comp-01.0 W	S	07-20-11 09:49	12 - 12 In	424087-002
GS/Comp-00.5 P	S	07-20-11 10:03	6 - 6 In	424087-003
GS/Comp-00.5 E	S	07-20-11 10:15	6 - 6 In	424087-004
GS/Comp-01.0 E	S	07-20-11 10:30	12 - 12 In	424087-005



CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Stogey BLG State Com. #1-H



 Project ID:
 30-015-36305

 Work Order Number:
 424087

Report Date: 27-JUL-11 Date Received: 07/23/2011

Sample receipt non conformances and comments: None

Sample receipt non conformances and comments per sample:

None



Project Id: 30-015-36305 Contact: Robert Asher Project Location: Eddy County

Certificate of Analysis Summary 424087

Yates Petroleum Corporation, Artesia, NM

Project Name: Stogey BLG State Com. #1-H



Date Received in Lab: Sat Jul-23-11 04:00 pm

Report Date: 27-JUL-11

	-,							Project Ma	nager:	Brent Barron,	I	
	Lab Id:	424087-0	001	424087-0)02	424087-	003	424087-	004	424087-0	005	
Analysis Peanested	Field Id:	GS/Comp-0	0.5 W	GS/Comp-0	1.0 W	GS/Comp-0	00.5 P	GS/Comp-	00.5 E	GS/Comp-0	010E	
Analysis Kequesteu	Depth:	6-6 In	ı I	12-12	n	6-6 Ir	1	6-6 li	n	12-12	ln	
	Matrix:	SOIL	,	SOIL		SOIL	,	SOIL		SOIL	,	
	Sampled:	Jul-20-11 (09·36	Jul-20-11 ()9:49	Jul-20-11	10:03	Jul-20-11	10.15	Jul-20-11	10:30	
BTEX by EPA 8021B	Extracted:	Jul-25-11	11:39	Jul-25-11	11:39	Jul-25-11	11:39	Jul-25-11	11 39	Jul-25-11	11:39	
	Analyzed:	Jul-25-11	17:52	Jul-25-11	18:15	Jul-25-11	18:37	Jul-25-11	19.00	Jul-25-11	19.23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Benzene		ND	0 00105	ND	0 00100	ND	0 00101	ND	0 00109	ND	0 00110	
Toluene		ND	0 00210	ND	0.00201	ND	0 00201	ND	0 00218	ND	0.00221	
Ethylbenzene		ND	0 00105	ND	0.00100	ND	0 00101	ND	0 00109	ND	0 00110	
m_p-Xylenes		ND	0 00210	ND	0 00201	ND	0 00201	ND	0 00218	ND	0 00221	
o-Xylene		ND	0 00105	ND	0 00100	ND	0 00101	ND	0 00109	ND	0 00110	
Total Xylenes		ND	0 00105	ND	0 00100	ND	0 00101	ND	0 00109	ND	0 00110	
Total BTEX		ND	0.00105	ND	0 00100	ND	0 00101	ND	0 00109	ND	0 00110	
Percent Moisture	Extracted:											
	Analyzed:	Jul-25-11	10.20	Jul-25-11	10 50	Jul-25-11	10 50	Jul-25-11	10:50	Jul-25-11	10:50	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	1
Percent Moisture		5.16	1.00	ND	1.00	ND	1.00	7.85	1.00	8.41	1.00	
TPH By SW8015B Mod	Extracted:	Jul-25-11	11:15	Jul-25-11	11:15	Jul-25-11	11:15	Jul-25-11	11:15	Jul-25-11	11:15	
Analyzed		Jul-25-11	14:47	Jul-25-11	15:15	Jul-25-11	15:43	Jul-25-11	16:11	Jul-25-11	16:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	`
C6-C10 Gasoline Range Hydrocarbons		ND	15.7	ND	15.0	ND	15.1	ND	162	ND	16.4	
C10-C28 Diesel Range Hydrocarbons		324	15.7	216	15.0	1310	15.1	ND	162	ND	16.4	
Total TPH		324	15.7	216	15.0	1310	15.1	ND	16.2	ND	16.4	

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Brent Barron, II

Odessa Laboratory Manager



Flagging Criteria

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4143 Greenbriar Dr, Stafford, Tx 77477 9701 Harry Hines Blvd, Dallas, TX 75220 5332 Blackberry Drive, San Antonio TX 78238 2505 North Falkenburg Rd, Tampa, FL 33619 5757 NW 158th St, Miami Lakes, FL 33014 12600 West 1-20 East, Odessa, TX 79765 6017 Financial Drive, Norcross, GA 30071 3725 E. Atlanta Ave, Phoenix, AZ 85040

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XENCO-Environmental Lab o	f Texas
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

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

	Project Manager:	Robert Asher																Pro	ject	Nan	1e: _	Stog	jey	BL	. <u>G</u> (Sta	te (Con	<u>1. #1</u>	<u>-H</u>	
	Company Name	Yates Petrole	um Corporatio	on															Pro	oject	#: <u>3</u>	0-01	5-3	<u>630</u> !	5						
	Company Address:	ny Address: 105 South 4th Street													P	roje	ct Lo	c: <u>E</u>	ddy (Coun	ıty										
	City/State/Zip:	Artesia, NM	88210															PO	#: 1	0563	2										
	Telephone No: 575-748-4217 Fax No: 575-748-4662													R	eport	For	mat:	Ē	⊠ St	anda	ard	1	– 1	[RR	P		NPDE	S			
	Sampler Signature:	e-mail:			bo	oba(Dya	itesp	etrol	eun	1.CO	m	•			-				-											
(lah usa	only)						•		•								Analyze For:														
	8#: 424∩≈	7/4240	088						J	F	Preser	vation	18#	of Con	taine	rs	Ma	atrix				TOTAL		Ħ						72 hrs	
LAB # (lab use only)	FIE	Time Sampled	-ield Filtered	fotal # of Containers	ICB	HNO ₃	P	H2S04	NaOH Na2S2O3	Nane	Other (Specify)	DW≃Drmking Water SL∞Sludge	GW = Groundwater S≍Sou/Solid NP=Non-Potable Specify Other	TPH 4181 8015M 8015	TPH TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkatintty) SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Si	Volatiles	Semivolatıles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M. Chlorides		RUSH TAT (Pre-Schedule) 24. 48	Standard TAT					
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Special	Instructions:	TPH:	8015B, BT	EX: 80)21B (& Chlorides.	Please show	₩ B	ΓEΧ	res	sults	as	mg/ł	(g. 1	Thar	ik yo	ou.				Labo Sam VOC	prato ple C s Fre	ry Co onta e of	omm Iners Heac	ents Inta Ispa	ct? ce?		(Z Z	Ā.
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XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

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

Phoenix, San Antonio, Tampa

Prelogin / Nonconformance Report - Sample Log-In

Client:	Yates	
Date/Time:	7-23.11 4	1:00
Lab ID # :	4240871	424088-01
Initials:	XU	

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?	Tes	No		
12. Samples properly preserved?	Tes	No	N/A	
13. Sample container intact?	Yes	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	Yes	No	(N/A)	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No	•	Cooler 5 No.	
lbs (o °C lbs °C lbs °C	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 sa condition acceptable by NELAC 5.5.8	ampling event and out of temperature 3.3.1.a.1.		

□ Client understands and would like to proceed with analysis