MARTIN YATES, III

FRANK W. YATES

S.P. YATES 1914-2008



105 SOUTH FOURTH STREET

ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

JOHN A. YATES CHAIRMAN OF THE BOARD

JOHN A. YATES JR.

SCOTT M. YATES

JAMES S. BROWN

JOHN D. PERINI
CHIEF FINANCIAL OFFICER

April 25, 2011

Mr. Mike Bratcher NMOCD District II 1301 West Grand Artesia, NM 88210

Re:

Robinson B Federal #1

2RP-650

30-015-03766

Section 34, T17S-R29E Eddy County, New Mexico RECEIVED

APR 25 2011

NMOCD ARTESIA

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on January 22, 2010 (18 B/PW released with 10 B/PW recovered). The C-141 Initial Report was submitted to your office by Yates Drilling Company on January 26, 2010. A C-145/Change of Operator was approved by the NMOCD on February 28, 2011 and Yates Petroleum Corporation is the current operator. Vertical and horizontal delineation samples were taken on 4/14/2011 and sent to an OCD approved laboratory. Enclosed are the analytical reports, results show TPH and BTEX, to be below RRAL's and decreasing (chlorides are for documentation), based on a site ranking of zero (depth to ground water recorded at 150' per the ChevronTexaco trend map); Yates Petroleum Corporation requests closure based on the analytical results, impacted soils excavated/hauled and site ranking/depth to ground water.

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

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher

**Environmental Regulatory Agent** 

/rca

Enclosure(s)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV------

1220 S. St. Francis Dr., Santa Fe, NM 87505

\* Attach Additional Sheets If Necessary

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003 Submit 2 Copies to appropriate District Office in accordance

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

## Release Notification and Corrective Action

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104 S. 4 <sup>TH</sup> S	Street				1	575-748-14°								
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N/A	usa of Droh	lem and Reme	odial A atia	n Takan *						LAIMIC	CD	ARTESIA		
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Signature:						Ammound by	District Communic							
Printed Nam	e: Robert A	Asher				Approved by	District Supervis	sor:						
Title: Enviro	nmental Re	egulatory Age	nt			Approval Da	te:		Expiration	Date:				
E-mail Addr	ess: boba@	yatespetroleu	m.com			Conditions o	f Approval:			Auna	ı —			
			D.	555 540 :5:-						Attache	u 📋			
Date: Monda	ay, April 25	, 2011	Phone:	575-748-4217	1	2RP-				1				

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resource ECEIVED

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

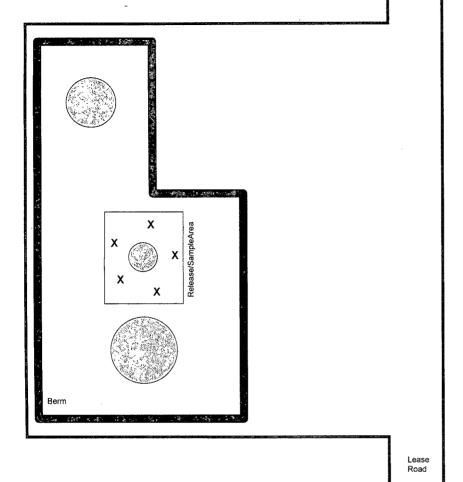
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back JAN 2 7 2010 side of form

NMOCD ARTERIA

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Analytical Report- 413419/413422	Sample Area	Sample Date		Depth-	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	4/14/2011	Comp/Auger	6"	ND	ND	2470	2470	41
Comp-01.0	Release Area	4/14/2011	Comp/Auger	12"	0.0047	ND	1440	1440	24.9
Comp-01.5	Release Area	4/14/2011	Comp/Auger	18"	0.0251	ND	1230	1230	35.7

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 150', per ChevronTexaco Trend Map).

All results are ppm. Chlorides results are for documentation.



Robinson B Federal #1

30-015-03766

**Section 34, T17S-R29E** 

**Eddy County, NM** 

## **SAMPLE DIAGRAM (Not to Scale)**

Xenco: #413419 & 413422 April 19, 2011

Prepared by Robert Asher Environmental Regulatory Agent

# **Analytical Report 413419**

for Yates Petroleum Corporation

Project Manager: Robert Asher

Robinson B Federal #1

30-015-03766

19-APR-11



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 (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (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-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), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

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

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





19-APR-11

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

Reference: XENCO Report No: 413419

Robinson B Federal #1
Project Address: Eddy County

#### Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 413419. 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. 413419 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 413419



## Yates Petroleum Corporation, Artesia, NM

Robinson B Federal #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	Apr-14-11 09:44	6 - 6 In	413419-001
Comp-01.0	S	Apr-14-11 09:52	12 - 12 In	413419-002
Comp-01.5	S	Apr-14-11 10:11	18 - 18 In	413419-003



### CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Robinson B Federal #1



Project ID:

30-015-03766

Work Order Number: 413419

Report Date: 19-APR-11

Date Received: 04/15/2011

### Sample receipt non conformances and Comments:

None

### Sample receipt Non Conformances and Comments per Sample:

None

#### Analytical Non Conformances and Comments:

Batch: LBA-852309 TPH by SW 8015B

SW8015B NM

Batch 852309, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 413419-001 D,413419-002,413419-001.

1-Chlorooctane recovered above QC limits . Matrix interferences is suspected; data confirmed

by re-analysis

Samples affected are: 413419-002.

Batch: LBA-852397 BTEX by EPA 8021

SW8021BM

Batch 852397, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 413424-001 D.

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

Samples affected are: 413424-001 D.413419-003.

Final 1.000



## Certificate of Analysis Summary 413419

## Yates Petroleum Corporation, Artesia, NM

Project Name: Robinson B Federal #1



Project Id: 30-015-03766 Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Apr-15-11 11:45 am

Report Date: 19-APR-11

Project Manager: Brent Barron, II

		· · · <del>- · · · · · · · · · · · · · · · ·</del>						Project Wranager.	Dicht Barron, 11	
	Lab Id:	413419-0	001	413419-0	002	413419-0	003	;		
Analysis Requested	Field Id:	Comp-00	).5	Comp-01	.0	Comp-0	1.5			
Analysis Requesieu	Depth:	6-6 In		12-12 I	n	18-18 I	n			
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Apr-14-11	09:44	Apr-14-11 (	09:52	Apr-14-11	10:11			
BTEX by EPA 8021	Extracted:	Apr-18-11	08:50	Apr-18-11 (	08:50	Apr-18-11	08:50			
	Analyzed:	Apr-18-11	12:39	Apr-18-11	13:02	Apr-18-11	13:25			
<u></u>	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			<u> </u>
Benzene		ND	0.0010	ND	0.0010	ND	0.0010			
Toluene		ND	0.0021	ND	0.0021	ND	0.0021			
Ethylbenzene		ND	0.0010	ND	0.0010	0.00467	0.0010			
m,p-Xylenes		ND	0.0021	0.00362	0.0021	0.0144	0.0021			
o-Xylene		ND	0.0010	0.00109	0.0010	0.00600	0.0010			
Xylenes, Total		ND	0.0010	0.00471	0.0010	0.0204	0.0010			
Total BTEX		ND	0.0010	0.00471	0.0010	0,0251	0.0010			
Percent Moisture	Extracted:									
	Analyzed:	Apr-15-11	17:00	Apr-15-11	17:00	Apr-15-11	17:00			
	Units/RL:	%	RL	%	RL	%	RL			
Percent Moisture		4.17	1.00	3.64	1.00	4.05	1.00			
TPH by SW 8015B	Extracted:	Apr-15-11	13:45	Apr-15-11	13:45	Apr-15-11	13:45			
	Analyzed:	Apr-16-11	14:46	Apr-16-11	15:15	Apr-16-11	15:44			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		,	
C6-C10 Gasoline Range Hydrocarbons		ND	77.9	ND	78.0	ND	77.9			
C10-C28 Diesel Range Hydrocarbons		2470	77.9	1440	78.0	1230	77.9			1
Total TPH		2470	77.9	1440	78.0	1230	77.9			

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

Odessa Laboratory Manager



## Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte.

  The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- **BRL** Below Reporting Limit.
- **RL** Reporting Limit
- MDL Method Detection Limit
- PQL Practical Quantitation Limit
- \* Outside XENCO's scope of NELAC Accreditation.

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

# **Environmental Lab of Texas**

A Xenco Laboratories Company

Page 12 of 13

#### 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 Ash	er														_	Pro	ject	Nam	e: K	(OD	ıns	on i	<u>3 F</u>	ede	<u> eral</u>	#1			
	Company Name Yates Petro	oleum Corporat	tion								<del></del>					_		Pro	oject	#: <u>3</u> (	0-01	5-0	3766	i						
	Company Address: 105 South	4th Street														_	P	rojec	et Lo	c: E	ddy C	Coun	ıty							
	City/State/Zip: Artesia, NM	1 88210														-			РО	#: 10	)5 <u>6</u> 3:	2								
	Telephone No: 575-748-42	:17				_ Fax No:		575	5-748	3-46	62_					_ R	eport	Forr	nat:	×	Sta	anda	ırd		⊤	RRP		□	IPDES	S
	Sampler Signature:		! <u>.                                    </u>			e-mail:		bo	<u>ba</u>	<u>@y</u>	ate	sp	etro	leu	m.c	<u>om</u>	_					Ā	nalyze	For						7
(lab use	only) 413419-T+B																				TCLP:	:	П	Ţ	$\ddot{\perp}$	T	$ abla^{\gamma}$		7	
ORDER	2#: 413422-cl							ſ	F	orese	rvatio	on & /	# of Co	ontaine	ers	Ма	atrix	8	$\top$	一,``	7,75	- S	$\vdash$	+-					l <sub>e</sub>	
LAB # (lab use only)	FIELD CODE	L	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers		33			NaOH O.S. O.		(Specify)	. SL≂Sludga	aroundwater S≃Soil/Soild n-Potable Specify Other	418.1 8015M	1 2	Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Cd Cr Pb Hg		Semivolatiles BTEX 80218/5030 or RTEY 8260	or B i EX	N.O.R.M.	Chlorides		RUSH TAT (Pre-Sched.) 24, 48, 72 hrs	Standard TAT
vol	Comp-00.5		6"	6"	4/14/2011	9:44 AM	-		X							5		х		I				)	+-	I	X		X	(,
002	Comp-01.0		12"	12"	4/14/2011	9:52 AM			Х							5	3	х						)	K.		x		х	
003	Comp-01.5		18"	18"	4/14/2011	10:11 AM			Х							_5	3	х						<b>)</b>	<u> </u>	T	x	$\prod$	х	
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	72 HR TAT PLEAS	E																							$oxed{oxed}$	$oxed{oxed}$				
												_		$\perp$				$\perp$							$\perp$	丄				1
	PLEASE PUT CHLORIDES						$\bigsqcup^{!}$							$\perp$											丄					
	ON SEPARATE REPORT									$\bot$		$\bot$	$\perp$			L			$\bot$		$\perp$				上	L			$oldsymbol{\perp}$	
Special I	Instructions: TPH	8015M, BTI	EX 802	21B &	Chlorides.	ALL results in	mg	ı/kg.	. Th	ıank	( yo	ıu.	•						s	ample	e Co	ntain	mmer ners ir leadsi	ntact		٠.		TY SOUTH DE	N (N/A)	5
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Robert As Relinquish		04/14/11 Date	2:56	l	Doggived by									$\bot$	Da	<del></del>	<del> </del>	Time	_Jc	ustod	ly sea	als o	n coo	ler(s			ع	<b>Z</b>	N	
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Relinquish	ied by:	Date	Tin	me	Received by ELC	Murdon	7							1.	Da		į.	Time		empe	eratur	ے' 'ر re U;	10Z	ecevi	ar ot:	.S		5.6		"
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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: /ates		•			•			
Date/Time: 4-15.11	11:45						•	
Lab ID#: 413419/								
Initials: L/M								
		S	Sample Receipt Ch	ecki	ist			
1. Samples on ice?					Blue	Water	No	
2. Shipping container in	good condition?				Yes	No	None	
3. Custody seals intact of	n shipping contain	er (c	ooler) and bottles?		Yes	No	N/A	
4. Chain of Custody pres	sent?				Yes	No		
5. Sample instructions c	omplete on chain o	f cus	tody?		Yes	No		
6. Any missing / extra sa	imples?				Yes	(No)		
7. Chain of custody sign	ed when relinquish	ed / ı	received?		Yes	No		
8. Chain of custody agre	es with sample lab	el(s)?	?		(Yes)	No		
9. Container labels legib	le and intact?				Yes	No		
10. Sample matrix / prop	erties agree with cl	hain (	of custody?		Yes	No		
11. Samples in proper co	ontainer / bottle?		- <del>-</del>		Yes	No	-	
12. Samples properly pr	eserved?				Yes	No	N/A	
13. Sample container int	tact?				Yes	No		
14. Sufficient sample an	nount for indicated	test(s	s)?		Yes.	No		
15. All samples received	l within sufficient h	old ti	me?		Yes	No	ļ	
16. Subcontract of samp	ole(s)?				Yes	(No)	N/A	
17. VOC sample have ze	ro head space?	<del></del>	T		Yes	No	N/A)	
18. Cooler 1 No.	Cooler 2 No.		Cooler 3 No.		Cooler 4 N	7	Cooler 5 No.	
°c ناے 5 lbs ا	lbs	°C	lbs	°C	Ibs	°c	ibs	°C
	1	Non	conformance Docu	ıme	ntation			
Contact:	Contac	ted b	y:			Date/Time:_	<del> </del>	
Regarding:								
Corrective Action Taker	1:							
	condition ac	cept	egun shortly after samp able by NELAC 5.5.8.3.1 perature confirm out of	1.a.1	,		rature	

 $\hfill\Box$  Client understands and would like to proceed with analysis

# **Analytical Report 413422**

# for Yates Petroleum Corporation

Project Manager: Robert Asher

Robinson B Federal #1

30-015-03766

19-APR-11



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

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

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Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

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

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

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





19-APR-11

Project Manager: Robert Asher Yates Petroleum Corporation

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 413422

Robinson B Federal #1
Project Address: Eddy County

#### Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 413422. 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. 413422 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 413422**



## Yates Petroleum Corporation, Artesia, NM

Robinson B Federal #1

Sample Id	Matrix	<b>Date Collected</b>	Sample Depth	Lab Sample Id
Comp-00.5	S	Apr-14-11 09:44	6 - 6 In	413422-001
Comp-01.0	S	Apr-14-11 09:52	12 - 12 In	413422-002
Comp-01.5	S	Apr-14-11 10:11	18 - 18 In	413422-003

### CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Robinson B Federal #1



Project ID:

30-015-03766

Work Order Number: 413422

Report Date: 19-APR-11 Date Received: 04/15/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None



## Certificate of Analysis Summary 413422

### Yates Petroleum Corporation, Artesia, NM

Project Name: Robinson B Federal #1



Project Id: 30-015-03766

Project Location: Eddy County

Contact: Robert Asher

Date Received in Lab: Fri Apr-15-11 11:45 am

Report Date: 19-APR-11

Project Manager: Brent Barron, II

								rroject wranager:	DICIT Ballon, II	
	Lab Id:	413422-0	001	413422-0	02	413422-0	03			
Analysis Requested	Field Id:	Comp-06	0.5	Comp-01	.0	Comp-01	.5			
Anaiysis Kequesieu	Depth:	6-6 In		12-12 In	n	18-18 II	n			
	Matrix:	SQIL		SOIL		SOIL				
	Sampled:	Apr-14-11	09:44	Apr-14-11 0	9:52	Apr-14-11 1	0:11		-	:
Anions in Soil By EPA 300.0	Extracted:									
	Analyzed:	Apr-15-11	21:39	Apr-15-11 2	21:39	Apr-15-11 2	21:39			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Chloride	·	41.0	9.67	24.9	4.36	35.7	4.38			
Percent Moisture	Extracted:			•						
	Analyzed:	Apr-15-11	17:00	Apr-15-11 1	7:00	Apr-15-11 1	7:00			
	Units/RL:	%	RL	%	RL	%	RL			
Percent Moisture		13.1	1.00	3.64	1.00	4.05	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 invoiced for this work order unless otherwise agreed to in writing.

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

Odessa Laboratory Manager



## Flagging Criteria

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

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## **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

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Page 10 of 11



#### 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

Sample Receipt Checklist  1. Samples on ice? 2. Shipping container in good condition? 3. Coustody seals intact on shipping container (cooler) and bottles? 4. Chain of Custody present? 5. Sample instructions complete on chain of custody? 6. Any missing / extra samples? 7. Chain of custody agrees with sample label(s)? 7. Chain of custody agrees with chain of custody? 7. Chain of custody agrees with chain of custody? 7. Chain of custody agrees with chain of custody? 7. Chain of custody agrees with chain of custody? 7. Sample matrix / properties agree with chain of custody? 7. Sample matrix / properties agree with chain of custody? 7. Sample container intact? 7. Chain of custody within sufficient hold time? 7. Sample container intact? 7. Sample manunt for indicated test(s)? 7. Sample container intact? 7. Sample container intact? 7. Sample container intact? 7. Sample manunt for indicated test(s)? 7. Sample container intact? 7. Sample container intact? 7. Sample manunt for indicated test(s)? 7. Sample container intact? 8. Cooler 1 No. 8. Cooler 2 No. 8. Cooler 3 No. 8. Cooler 3 No. 9. Cooler 4 No. 9. Cooler 5 No. 9. Cooler 5 No. 9. Cooler 5 No. 9. Contacted by: 9. Date/Time: 9. Contacted by: 9. Contacted by: 9. Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1a.1.	Client: Jates						
Sample Receipt Checklist		11:45					
Sample Receipt Checklist  1. Samples on ice?  2. Shipping container in good condition?  3. Custody seals intact on shipping container (cooler) and bottles?  4. Chain of Custody present?  5. Sample instructions complete on chain of custody?  7. Chain of custody signed when relinquished / received?  8. Any missing / extra samples?  7. Chain of custody agrees with sample label(s)?  8. Chain of custody agrees with sample label(s)?  8. Chain of custody agrees with sample label(s)?  9. Container labels legible and intact?  10. Sample matrix / properties agree with chain of custody?  11. Samples in proper container / bottle?  12. Samples properly preserved?  13. Samples container intact?  14. Sufficient sample amount for indicated test(s)?  15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No. Cooler 2 No. Cooler 3 No. Cooler 4 No. Cooler 5 No.  18. Contacted by: Date/Time:  Contacted by: Date/Time:  Corrective Action Taken:  Corrective Action Taken:							
Samples on ice?  2. Shipping container in good condition?  3. Custody seals intact on shipping container (cooler) and bottles?  4. Chain of Custody present?  5. Sample instructions complete on chain of custody?  6. Any missing (extra samples?  7. Chain of custody signed when relinquished / received?  8. Chain of custody signed when relinquished / received?  9. Container labels legible and intact?  10. Sample matrix / properties agree with chain of custody?  11. Samples in proper container / bottle?  12. Samples properly preserved?  13. Sample container intact?  14. Sufficient sample amount for indicated test(s)?  15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  Nonconformance Documentation  Contact:  Contacted by:  Date/Time:  Corrective Action Taken:  Check all that apply:  Cooling process has begun shortly after sampling event and out of temperature		11272					
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8. Chain of custody agrees with sample label(s)? 9. Container labels legible and intact? 10. Sample matrix / properties agree with chain of custody? 11. Samples in proper container / bottle? 12. Samples properly preserved? 13. Sample container intact? 14. Sufficient sample amount for indicated test(s)? 15. All samples received within sufficient hold time? 16. Subcontract of sample(s)? 17. VOC sample have zero head space? 18. Cooler 1 No. Cooler 2 No. Cooler 3 No. Cooler 4 No. Cooler 5 No. Ibs 5 L °C Ibs °C I	6. Any missing / extra sa	Yes	(No)				
9. Container labels legible and intact?  10. Sample matrix / properties agree with chain of custody?  11. Samples in proper container / bottle?  12. Samples properly preserved?  13. Sample container intact?  14. Sufficient sample amount for indicated test(s)?  15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No.	7. Chain of custody sign	Yes	No				
10. Sample matrix / properties agree with chain of custody?  11. Samples in proper container / bottle?  12. Samples properly preserved?  13. Sample container intact?  14. Sufficient sample amount for indicated test(s)?  15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No.	8. Chain of custody agre	(Yes)	No				
11. Samples in proper container / bottle?  12. Samples properly preserved?  13. Sample container intact?  14. Sufficient sample amount for indicated test(s)?  15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No.	9. Container labels legib	Yes	No				
12. Samples properly preserved?  13. Sample container intact?  14. Sufficient sample amount for indicated test(s)?  15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No.	10. Sample matrix / prop	(Yes)	No				
13. Sample container intact?  14. Sufficient sample amount for indicated test(s)?  15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No.	11. Samples in proper co	Yes	No				
14. Sufficient sample amount for indicated test(s)?  15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No.	12. Samples properly pro	Yes	No	N/A			
15. All samples received within sufficient hold time?  16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No.	13. Sample container int	Yes	No				
16. Subcontract of sample(s)?  17. VOC sample have zero head space?  18. Cooler 1 No. Cooler 2 No. Cooler 3 No. Cooler 4 No. Cooler 5 No.  18. Cooler 1 No. Cooler 2 No. Cooler 3 No. Cooler 4 No. Cooler 5 No.  18. Cooler 1 No. Cooler 2 No. Cooler 3 No. Cooler 4 No. Cooler 5 No.  Nonconformance Documentation  Contact: Contacted by: Date/Time:  Corrective Action Taken:  Check all that apply: Cooling process has begun shortly after sampling event and out of temperature	14. Sufficient sample an	Yes	No				
17. VOC sample have zero head space?  18. Cooler 1 No. Cooler 2 No. Cooler 3 No. Cooler 4 No. Cooler 5 No.  18. Cooler 1 No. Cooler 2 No. Cooler 3 No. Cooler 5 No.  18. Cooler 2 No. Cooler 5 No.  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	15. All samples received	Yes	No				
18. Cooler 1 No. Cooler 2 No. Cooler 3 No. Cooler 4 No. Cooler 5 No.    Ibs   5 . L   °C   Ibs   °	16. Subcontract of samp	Yes	(No)	N/A			
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	17. VOC sample have ze	Yes	No	NA	·		
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	18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 N	Cooler 4 No.		
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	lbs 5.6 °C	ibs	°C lbs	°C lbs	°C	lbs	°C
Corrective Action Taken:  Check all that apply:   Cooling process has begun shortly after sampling event and out of temperature	Contact:	-		umentation	Date/Time:		·
Check all that apply: □Cooling process has begun shortly after sampling event and out of temperature	Regarding:			······································		<u> </u>	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
	Corrective Action Taker	1:					
condition accommo al interior consistination	Check all that apply:				out of tempe	erature	

☐ Client understands and would like to proceed with analysis