MARTIN YATES, III

FRANK W. YATES

S.P. YATES



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 VICE PRESIDENT

JAMES S. BROWN CHIEF OPERATING OFFICER

JOHN D. PERINI CHIEF FINANCIAL OFFICER

October 28, 2010

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

Re:

Biplane BNZ State Com. #1

30-005-63556

Section 16, T6S-R27E

Chaves County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on August 8, 2010 (10 B/O & 25 B/PW released with 5 B/O & 20 B/PW recovered). The C-141 Initial Report was submitted to your office on August 16, 2010. Vertical and horizontal delineation samples were taken and sent to an OCD approved laboratory, based on results the impacted soils were tilled. Vertical and horizontal delineation samples were taken again on October 14, 2010 and sent to an OCD approved laboratory. Enclosed are the analytical reports, results show TPH and BTEX, (chlorides are for documentation), to be below RRAL's based on a site ranking of zero (depth to ground water recorded at 125' per trend map); Yates Petroleum Corporation requests closure based on the corrective actions taken, released amounts recovered and analytical results.

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)

APR 19 2011
NMOCD ARTESIA

RECEIVED

OCT 2 8 2010

NMOCD ARTESIA

District I 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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 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
with Rule 116 on back side of form

			Kei	ease nounc	auo	n and Co	HICCHVE A	CHOII							
	_			O	PERA	ATOR			] Initia	l Report		Final Report			
Name of Co	ompany			OGRID Nun	nber	Contact									
Yates Petro	leum Corp	oration		25575		Robert Ash			f	T= 7000 ,700	of Lones ! !				
Address					1	Telephone l	٧o.		1	ME	السار				
104 S. 4 <sup>TH</sup>	Street					575-748-14					19	2011			
Facility Na				API Number		Facility Typ	e			AFI	7 1 3	2011			
Biplane BN	IZ State Co	om. #1		30-005-6355	6	Battery	<del></del>					TEGIA			
Surface Ow		<del></del>		Mineral C	),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Lease N		IJ Ar	TIESIAI			
State	/IIEI			State	WIICI				VA-249						
State		<del></del>		State					VA-24.	<del></del>					
				LOCA	OITA	N OF RE	LEASE								
Unit Letter	Section	Township	Range	Feet from the	North	n/South Line	Feet from the	East/W	est Line	County					
A	16	6S	27E	660		North	660	F	ast	Chaves					
			<u></u>	<u> </u>			Ĺ	J		Ĺ					
				Latitude 33.	79975	Longitude	104.19066								
Latitude 33.79975 Longitude 104.19066															
NATURE OF RELEASE															
Type of Rele						Volume of				Recovered					
Oil & Produ						10 B/O &			5 B/O &						
Source of Re Water Tank	elease					8/8/2010 -	Your of Occurrent	ce	8/8/2010	Hour of Di	scovery				
Was Immedi	ate Notice (	Given?				If YES, To			6/6/2010						
Was minica	ate Honee		Yes □	No Not Re	eauired		her/NMOCD (vo	oicemail	and e-mail			-11/1-12			
By Whom?			•		1	Date and I				<u></u>	ECE	IVEU			
Robert Ashe	r/YPC Envi	ronmental				8/9/2010 -			OCT 2 8 2010						
Was a Water							olume Impacting	the Wate	rcourse.		UCI Z	<del>/ 8 / 2010                                     </del>			
	_		] Yes 🛚	] No		N/A	1 5			NIN.	000	A ====================================			
1	urse was Im	pacted, Descr	ibe Fully.'	*		NMOCD AT									
N/A		1.5	** 1 4												
		em and Reme		n Taken.* k that ran over afte	er num	n failed from s	viring being chev	ved off b	v.cowe V	acuum truc	k was ca	iled			
		and Cleanup			or puill	p taned from v	viring deling enev	ved on o	y cows. v	acuum nuc	K Was ca	incu.			
				med battery). Va	cuum t	ruck picked up	remaining oil ar	nd produc	ed water.	Vertical an	d horizo	ontal			
delineation s	amples will	be taken and	analysis ra	an for TPH & BTI	EX (chi	lorides for doc	umentation). If i	initial ana	lytical res	ults for TPF	4 & BTE	EX are under			
				d to the OCD requ											
				area, vertical and Ground Water:											
to Surface V	Vater Body	: >1000'. SIT	E RANK	ING IS 0. Based	2100 on am	(appi oximate ounts recover	ed, enclosed and	u map <i>)</i> , alvtical r	enorts and	d site ranki	ng of 7e	ero. Vates			
Petroleum (	Corporation	requests clo	sure.		· · · · · · · · · · · · · · · · · · ·			,	oporto un		ing of Le	, 14.05			
				is true and comp											
				nd/or file certain r											
				ce of a C-141 repo											
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		ws and/or regu		number of a G 141	report	acco not renev	e ine operator of	responsi	onny ioi c	omphanec	with any	other			
	4					.,	OIL CON	SERV	ATION	DIVISION	ON				
	$\bigcirc$	1.() ^					<u> </u>			~ 1 1 101	<u></u>				
Signature:	سود کمرا	MULL MAN	<u> </u>												
Date 135	- D-1	-1			ļ	Approved by	District Supervis	sor:							
Printed Nam	e: Kobert A	sner													
Title: Enviro	nmental Re	gulatory Ager	nt			Approval Da	te:	E	Expiration	Date:					
E-mail Addr	ess: boba@y	yatespetroleur	n.com			Conditions of	f Approval:			Attach	4 []				
										Attached	л <u>Г</u>				
Date: Thurso				Phone: 575-748-4	748-4217   2RP-										
* Attach Addi	tional Shee	ets If Necess	arv												

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 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 with Rule 116 on back side of form

<del>_</del>			Rele	ease Notific	atio	n and Co	rrective A	ction									
KMW 10:35448054       OPERATOR       ☑ Initial Report       ☐ Final Report         Name of Company Yates Petroleum Corporation       OGRID Number Contact Robert Asher       Robert Asher         Address       Telephone No.																	
Name of Co	ompany																
	leum Corp	poration		25575													
Address 104 S. 4 <sup>TH</sup> S	Street					Telephone [ 575 <b>-7</b> 48-14											
Facility Nat				API Number		Facility Typ											
Biplane BN	Z State Co	om. #1		30-005-6355	6	Battery											
Surface Ow	ner		·	Mineral C	wner				Lease N	<b>1</b> 0.							
State				State					VA-24	94							
<u> </u>				LOCA		OF REI	LEASE										
Unit Letter	Section	Township	Range	Feet from the	:	South Line	Feet from the	1	est Line	County							
. <b>A</b>	16	6\$	27E	660		North	660	1	Eust	Chaves	·						
	·				<del>/</del>												
NATURE OF RELEASE																	
Type of Release         Volume of Release         Volume Recovered           Oil & Produced Water         10 B/O & 25 B/PW         5 B/O & 20 B/PW																	
Source of Re							our of Occurrence	e		Hour of Disc	covery						
Water Tank Was Immedia	XV					8/8/2010 -		8/8/2010 - AM									
was immedia	ne nonce c		Yes [	No 🗌 Not Re	quired	If YES, To Mike Brate	whom? her/NMOCD (vo	icemail	and e-mail	)							
By Whom?	AID CID					Date and H											
Robert Asher Was a Water					~ <del>_</del>	8/9/2010 -		L - 11/am									
				.No		N/A	lume Impacting t	ne wate	rcourse.								
If a Watercot	irse was im	pacted, Descri	be Fully.														
		em and Remed		n Taken.* : that ran over afte	F 200	failed from u	ii-ina haina aham	and aff h									
Describe Are	a Affected :	and Claanup A	ction Tak	cn.*													
An approxim	ate area of '	70' X 30' (all	inside ben	med battery). Var	cuum tri	ick picked up	remaining oil an	d produc	ed water.	Vertical and	horizontal						
RRAL's a Fin	imples will nal Report.	be takan and a C-141 will be	malysis ta submitted	in for TPH & BTI to the OCD requ	X (chlo	rides for doci	imentation). If in	nitial and	lytical rest	ilts for TPH	& BTEX are under						
submitted to t	the OCD. I	Depth 🛭 Grou	ind Wate	r: >100' (approx	imately	125' per tre	end map), Wellho	ead Pro	ection Ar	ea: No, Dist	ance to Surface						
I hereby certif	fy that the i	TE RANKIN	G IS 0. /en above	is true and compl	eie to th	c best of my	knowledge and m	nderstan	d that purs	uget to NMC	OCID rules and						
regulations al	l operators	are required to	report an	d/or file certain re	ilease no	otifications an	d perform correct	tive action	ons for rela	eases which r	may endonger						
should their o	or the envir	onnout. The	acceptanc dequately	e of a C-141 repo investigate and re	rt by the	NMOCD ma	irked as "Final Ro	eport" de	es not reli	eve the opera	ator of liability						
or the environ	iment. In a	ddition, NMO	CD accept	tance of a C-141 i	eport do	es not relieve	the operator of t	esponsit	oility for co	, surrace wat impliance wi	ith any other						
federal, state,	or local lav	vs and/or regu	ations.		<del>- }-</del>												
_ /		$\Box \bigcirc$					OIL CONS	SERVA	ATION	DIVISIO	<u>N</u>						
Signature: (	Ju					J. 1.											
Printed Name	: Robert As	her			, A	Approved by I	Distric <b>Signedia</b>	y W	1/4 &	KARULI	<u> </u>						
Title: Environ	mental Reg	ulatory Agent	<del>_</del>		A	Approval Date	: 3/21/11	E	xpiration I	Sate:							
E-mail Addres	s: boba@y	atesp::troleum	.com			Conditions of	Approval:			}							
		,		400			diation per O(	CD Rul	es &	1 Attached							
Date: Monday Attach Additi			Pho rv	one: 575-748-4211		Guidelines	. SUBMIT REI	MEDIA	TION								
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					-		4/21/11		_	$\propto 1$	RP-503						







X X Х

Lease Road

Lease Road

Sample ID	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Battery Area	10/14/2010	Grab/Auger	6"	0.4845	66.8	1140	1207	659
Comp-01.0	Battery Area	10/14/2010	Grab/Auger	12"	ND	ND	210	210	418
Comp-01.5	Battery Area	10/14/2010	Grab/Auger	18"	ND	ND	ND	ND	594

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 125', per Trend Map).

All results are ppm. Chloride results are for documentation. X - Sample Points



Biplane BNZ State Com. #1

30-005-63556

Section 16, T6S-R27E

**Chaves County, NM** 

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

Xenco: #393884 & 393889 October 20, 2010

**Prepared by Robert Asher Environmental Regulatory Agent** 

# **Analytical Report 393884**

for Yates Petroleum Corporation

Project Manager: Robert Asher

Biplane BNZ State Com. #1

30-005-63556

20-OCT-10



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 (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), California(06244CA), 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)



20-OCT-10

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

Reference: XENCO Report No: 393884

Biplane BNZ State Com. #1
Project Address: Chaves 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 393884. 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. 393884 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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Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



CHANGE HERENG

# Sample Cross Reference 393884



### Yates Petroleum Corporation, Artesia, NM

Biplane BNZ State Com. #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	Oct-14-10 09:43	6 - 6 In	393884-001
Comp-01.0	S	Oct-14-10 09:56	12 - 12 In	393884-002
Comp-01.5	S	Oct-14-10 10:08	18 - 18 In	393884-003



#### CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Biplane BNZ State Com. #1



Project ID:

30-005-63556

Work Order Number: 393884

Report Date: 20-OCT-10

Date Received: 10/15/2010

#### Sample receipt non conformances and Comments:

None

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

None

#### Analytical Non Conformances and Comments:

Batch: LBA-827789 TPH by SW 8015B

SW8015B NM

Batch 827789, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix

Spike Duplicate.

Samples affected are: 393884-003, -002, -001.

The Laboratory Control Sample for C6-C10 Gasoline Range Hydrocarbons is within laboratory

Control Limits

Batch: LBA-828119 BTEX by EPA 8021

SW8021BM

Batch 828119, 1,4-Difluorobenzene recovered below QC limits Data not confirmed by re-

analysis. Samples affected are: 576435-1-BLK, 393884-003.

4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data not

confirmed by re-analysis

Samples affected are: 393884-001.

#### SW8021BM

Batch 828119, Benzene recovered below QC limits in the Matrix Spike. Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 393884-002, -003, -001.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Benzene, Ethylbenzene, o-Xylene is

within laboratory Control Limits

Final 1.000



### Certificate of Analysis Summary 393884

Yates Petroleum Corporation, Artesia, NM

Project Name: Biplane BNZ State Com. #1

nelaci

Project Id: 30-005-63556
Contact: Robert Asher
Project Location: Chaves County

Date Received in Lab: Fri Oct-15-10 12:30 pm

Report Date: 20-OCT-10

oject Location: Chaves County					Project Manager:	Deart Dames II
	Lab Id:	393884-001	393884-002	393884-003	Froject Wanager:	Dien Banon, ii
	1 1					
Analysis Requested	Field Id:	Comp-00.5	Comp-01.0	Comp-01.5		
Tituly sis Itequesies	Depth:	6-6 in	12-12 In	18-18 in		
	Matrix:	SOIL	SOIL	SOIL		
	Sampled:	Oct-14-10 09:43	Oct-14-10 09:56	Oct-14-10 10:08		
BTEX by EPA 8021	Extracted:	Oct-18-10 13:30	Oct-18-10 13:30	Oct-18-10 13:30		
	Analyzed:	Oct-18-10 22:50	Oct-18-10 19:59	Oct-18-10 20:21		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		ND 0.0011	ND 0.0011	ND 0.0011		
Toluene	1	0.0107 0.0023	ND 0.0022	ND 0.0022		
Ethylbenzene		0.0405 0.0011	ND 0.0011	ND 0.0011		
m,p-Xylenes		0.2881 0.0023	ND 0.0022	ND 0.0022		
o-Xylene		0.1452 0.0011	ND 0.0011	ND 0.0011	·	
Xylenes, Total		0.4333 0.0011	ND 0.0011	ND 0.0011		
Total BTEX		0.4845 0.0011	ND 0.0011	ND 0.0011		
Percent Moisture	Extracted:					
	Analyzed:	Oct-15-10 17:00	Oct-15-10 17:00	Oct-15-10 17:00		
	Units/RL:	% RL	% RL	% RL		
Percent Moisture		11.2 1.00	8.27 1.00	7.71 1.00		
TPH by SW 8015B	Extracted:	Oct-15-10 15:00	Oct-15-10 15:00	Oct-15-10 15:00		
	Analyzed:	Oct-16-10 03:39	Oct-16-10 13:12	Oct-16-10 04:42		
·	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL		
C6-C10 Gasoline Range Hydrocarbons		66.8 16.9	ND 16.4	ND 16.3		
C10-C28 Diesel Range Hydrocarbons		1140 16.9	210 16.4	ND 16.3		
Total TPH		1207 16.9	210 16.4	ND 16.3		

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 exponsibility and makes no warranty to the end use of the data heavy presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Odessa Laboratory Manager

Final 1.000

Brent Barron, II

Page 5 of 15



# -- 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 MOL and above the SOL.
- 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

#### 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	r ·														_	P	rojec	t Na	me:	Bip	lan	еВ	ΝZ	St	ate	Co	m.	#1		
	Company Name	Yates Petrole	eum Corpora	tion										~					ρ	rojec	t #:	30-0	05-0	6355	i6_							
	Company Address:	105 South 4t	h Street														_		Proj	ect L	oc:	Chav	es C	County	у							
	City/State/Zip:	Artesia, NM	88210														_			P	) #: _	1056	32									
	Telephone No:	575-748-421	7				Fax No:		575	5-74	8-46	62					_	Repo	rt Fo	rma	ı:	× s	tand	lard			TRF	₹P	[	וא [	PDES	3
	Sampler Signature:	Lool	A ()	1.			e-mail:		bc	ba	@y	ate	esp	etro	leu	m.c	on	1					•									_
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(lab use	only) TPH & BTEX	Chloride.	-																-			TOTA		+	$\vdash$	$\left  - \right $		.		ļ	72 hrs	1
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AB # (lab use only)				Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	f. of Containers		p		0,4		233	Other ( Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	418.1	TX 1005 TX 10	Cations (Ca, Mg, Na. K)	Anions (Cl. SO4. Alkalinity)	Cd Cr Ph Ho		Semivolatiles	BTEX 8021B/5030 or BTEX 8260		S.M.	rides		H TAT (Pre-Schedule) 24,	Standard TAT
AB.	FIEL	D CODE		Segin	ng:	Date	Time	Field F	Total #	<u>3</u>	HNO	Ξ̈́	H,SO	NaOH	None	Other	DW=D	GW = C	ΪΡΉ	TP.	Cation	Anion	Metal	Volatiles	Semiv	BTEX	Z.	N.O.R.M.	Chlorides		RUS	Stand
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002	Con	np-01.0		12"	12"	10/14/2010	9:56 AM			Х				T	1.	1	T	s	x	1						х			х			X
003	Сол	np-01.5		18"	18"	10/14/2010	10:08 AM			Х								s	x							X			x		_	X
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Special l	nstructions:	TPH 8	TPH 8015M, BTEX 8021B & Chlorides. ALL results in mg/kg. Thank you.															Sam	iple C	onta	omm ainers Head	inta	act?			(ACC)	3	N N				
Relinquish	ned by:		Date	. Tie	ne	Received by:	· ·								$\top$	Da	ate,	Т	Tim	ē	Labe	els or	con	itaine	r(s)				7	<b>グ</b>	N	
Robert As	her Realus	100	10/14/10	1:44	PM	Lina M	andork)								110	0/19	5/11	0  1	A:3	10 l		tody seals on container(s) tody seals on cooler(s)						Æ	3	N		
Relinquish			Date	Tiı	ne	Received by:	weaver )	LH	(10	115	)			<del></del>	1		ate	1	Tim		Sam	iple H by Sa by Co	land mple urier	Deliv r/Clier ?	vered nt Re UPS	d ∋p.? S	DHL	. (	FedE	/	X N one St	1
Relinquish	ed by:		Date	Received by ELC	DT:	/			•					Da	ale																	



#### XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi. Dallas Houston, Miami, Odessa. Philadelphia

Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

## Prelogin / Nonconformance Report - Sample Log-In

•							
client: Yates Petroleum Corpor	at	ion					
Date/Time: 10/15/10 12:30				į			
Lab 10#: 393884-TP11+BTE	X /	393889-U	2				
Initials: XM	,						
	s	ample Receipt C	heck	list			
1. Samples on ice?				Blue	Water	No	
2. Shipping container in good condition?				Yes	No	None	
3. Custody seals intact on shipping contain	er (co	poler) and bottles?		Yes	No	N/A	
4. Chain of Custody present?				Ves	No		
5. Sample instructions complete on chain o	f cus	tody?		Yes	No		
6. Any missing / extra samples?				Yes	No		
7. Chain of custody signed when relinquish	ed / r	eceived?		(es)	No		
8. Chain of custody agrees with sample labe	el(s)?			(Yes)	No		
9. Container labels legible and intact?				(Yes)	No		
10. Sample matrix / properties agree with ch	nain c	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 t	est(s	)?		Yes	No		
15. All samples received within sufficient ho	old tir	ne?		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 55°c lbs	°Ç	lbs	°C	lbs	°C	lbs	°c
N	ione	onformance Doc	ume	ntation			
		/:			Date/Time:		
JohnadaJohnada	eu by	·		`	vater rune	· · · · · · · · · · · · · · · · · · ·	
Regarding:							
						<u> </u>	
Corrective Action Taken:							
Check all that apply:   Cooling process h	20 5	ann chartly offer	anline	ovent and	+ of to	in turn	
		gun shortly after san ble by NELAC 5.5.8.3			tor temper	ature	

□ Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

# **Analytical Report 393889**

for Yates Petroleum Corporation

Project Manager: Robert Asher

Biplane BNZ State Com. #1

30-005-63556

20-OCT-10



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 (AALI1), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

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

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

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



20-OCT-10

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

Reference: XENCO Report No: 393889

Biplane BNZ State Com. #1
Project Address: Chaves 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 393889. 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. 393889 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 393889



## Yates Petroleum Corporation, Artesia, NM

Biplane BNZ State Com. #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	Oct-14-10 09:43	6 - 6 In	393889-001
Comp-01.0	S	Oct-14-10 09:56	12 - 12 In	393889-002
Comp-01.5	S	Oct-14-10 10:08	18 - 18 In	393889-003



### CASE NARRATIVE

Client Name: Yates Petroleum Corporation Project Name: Biplane BNZ State Com. #1



Project ID:

30-005-63556

Work Order Number: 393889

Report Date: 20-OCT-10

Date Received: 10/15/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None



Project Id: 30-005-63556

Contact: Robert Asher

Project Location: Chaves County

### Certificate of Analysis Summary 393889

Yates Petroleum Corporation, Artesia, NM

Project Name: Biplane BNZ State Com. #1

Date Received in Lab: Fri Oct-15-10 12:30 pm

Report Date: 20-OCT-10

·								Project Manager:	Brent Barron, II	
	Lab Id:	393889-0	. 100	393889-0	002	393889-0	003			
Analysis Requested	Field Id:	Comp-00	0.5	Comp-01	0,1	Comp-01	1.5			
Analysis Requested	Depth:	6-6 In		12-12 [	n	18-18 1	n			
	Matrix:	SOIL	i	SOIL		SOIL				
•	Sampled:	Oct-14-10 (	09:43	Oct-14-10 (	9:56	Oct-14-10	80:01		}	
Anions in Soil By EPA 300.0	Extracted:									
	Analyzed:	Oct-15-10	17:55	Oct-15-10	18:16	Oct-15-10	8:37			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Chloride		659	9.51	418	9.16	594	9.10			
Percent Moisture	Extracted:	**								
	Analyzed:	Oct-15-10	17:00	Oct-15-10	17:00	Oct-15-10	17:00	ł		
	Units/RL:	%	RL	%	RL	%	RL			
Percent Moisture		11.7	1.00	8.27	1.00	7.71	1.00			

his analytical report, and the entire data package it represents, has been made for your exclusive and confidential use, he interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. ENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Jur liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Final 1.000

Brent Barron, II Odessa Laboratory Manager

Page 5 of 11



## 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

#### 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 Ashe	ſ	<del></del>	···													Pr	ojec	t Na	me:	Bi	olai	ne E	3NZ	St	ate	Co	om.	#1		
	Company Name	Yates Petrole	eum Corpora	tion															Pi	roje	ct #:	30-	005	635	56				<del></del>			
	Company Address:	105 South 4t	th Street	•••••									···						Proj	ect l	_oc:	Cha	ves	Coun	ty					<del></del>		
	City/State/Zip:	Artesia, NM	88210							_										P	O #:	105	632									
	Telephone No:	575-7 <u>48</u> -421	7				Fax No:		575	5-74	8-46	62					F	Repoi	rt Fo	rma	t:	×	Stan	dard			TRE	RP	1	\	IPDES	S
	Sampler Signature:	200	U (	1.			e-mail:		bc	ba	@y	ate	spe	trol	eur	n.c	om	·														
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(lab use	only) ten & BIEX R#: 393884/3	Chloride 292789																	<u> </u>			TOT	AL:	_	+						i, 72 hrs	
OKDER		112001		T			Γ	_	Prese	rvation	18.#	of Con	ntaine	S	М	atrix	8015B	و ا				e Se		8260					24, 48,			
LAB # (lab use only)	FIEL	Beginning Depth Ending Depth Date Sampled							otal #. of Containers	ice	HNO <sub>3</sub>	HCI	H <sub>2</sub> SO <sub>4</sub>	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other ( Specify)	W=Dnnking Water SL=Sludge	GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	8015M	TX 1005 TX 10	Cations (Ca, Mg. Na, K)	Anions (Cl. SO4. Alkalinity)	CEC	Metals: As Ag ba Cd Cr Pb Hg	Semivolatiles	5030 or BTEX	RCI	N.O.R.M.	Chlorides		RUSH TAT (Pre-Schedule)	Standard TAT
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CO1 CO2		mp-01.0		12"	12"	10/14/2010	9:56 AM			X		$\top$	7	+	<del>  -</del>			s S	x	1			_	_	$\dagger$	X	$\vdash$		Х	1	$\top$	X
503		np-01.5	<del></del>	18"	18"	10/14/2010	10:08 AM			Х		$\neg \uparrow$	1	+	$\top$			s S	x	+			7			X			х		1	X
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Special I	nstructions:	TPH 8	3015M, BTI	Chlorides. A	LL results in	mg	/kg	. 11	hanl	k you	J.									nple	Cont	Comr ainer	s Int	act?			5	2	N			
Relinquish Robert As Relinquish	her RCALUE		Received by:	Murdank 10/15/11						Date Time L 15/10 13:30 0					OCs Free of Headspace? abels on container(s) sustody seals on container(s) sustody seals on cooler(s) sample Hand Delivered by Sampler/Client Rep. ?						,		*	z z z z z z	j							
Relinquish	ed by:		Date	Received by ELC		′					·	<u> </u>	$\vdash$	Da	ate Time 407 01ass							_	edEX Lone Star									



#### 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 Petr	eleum Corpo	cat	ion			•		
Date/Time: 10/15/10	; B:30 '							
Lab ID#: 39388	4- TPH+BTE	X	393889-0	£				
Initials: XM								
		S	Sample Receipt (	Check	list			
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?					Ves	No		
8. Chain of custody agrees with sample label(s)?					Yes	No		
9. Container labels legible and intact?					Yes	No		
10. Sample matrix / properties agree with chain of custody?					(Yes)	No		
11. Samples in proper container / bottle?					Yes	No		
12. Samples properly preserved?					Yes	No	N/A	
13. Sample container intact?					Yes	No		
14. Sufficient sample amount for indicated test(s)?					Yes	No		
15. All samples received within sufficient hold time?					Yes	No		
16. Subcontract of sample(s)?					Yes	No	(N/A	
17. VOC sample have zero head space?					(Yes	No	N/A	
18. Cooler 1 No.	Cooler 2 No.		Cooler 3 No.		Cooler 4 No	).	Cooler 5 No.	
lbs 55°	C lbs	°C	lbs	°C	lbs	°C	lbs	°c
	1	None	conformance Do	cume	ntation			
Contact: Contacted by: Date/Time:								
Regarding:			· · · · · · · · · · · · · · · · · · ·					
			·			·	<del></del>	
Corrective Action Take	n:							
					-			
Check all that apply:	□Cooling process b	nas ba	egun shortly after sa	molina	event and o	ut of temper	ature	
	condition ac	cept	able by NELAC 5.5.8	.3.1.a.1.		at or tomper		

☐Initial and Backup Temperature confirm out of temperature conditions

□Client understands and would like to proceed with analysis