MARTIN YATES, III 1912-1985

FRANK W. YATES 1936-1986

> S.P. YATES 1914-2008



105 SOUTH FOURTH STREET

ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

JOHN A. YATES
CHAIRMAN OF THE BOARD
PRESIDENT

JOHN A. YATES JR.
ASSISTANT TO THE PRESIDENT

JAMES S. BROWN CHIEF OPERATING OFFICER

JOHN D. PERINI CHIEF FINANCIAL OFFICER

June 8, 2010

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

Re:

Mojave Water Transfer

30-015-26916

Section 35, T20.5S-R23E Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on May 16, 2010 (100 B/PW with 0 B/PW recovered). Samples were taken (5/25/2010), and sent to an NMOCD approved laboratory. These results are within the RRAL's for the site ranking of zero (0), with the depth to ground water >100' (approximately 268', per the New Mexico Office of the State Engineer). Chloride results are for reference. Based on analytical reports and a zero (0) site ranking, Yates Petroleum Corporation requests closure.

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

Thank you.

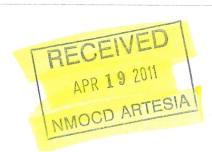
YATES PETROLEUM CORPORATION

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

# 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

			Rei	ease Notifi	catio	n and Co	orrective A	ction	l			
[ N						TOR			Initia	l Report	$\boxtimes$	Final Report
Name of Co				OGRID Nur	nber	Contact						
Yates Petro	leum Corp	oration		25575		Robert Ash						
104 S. 4 <sup>TH</sup>	Ctuant				-	Telephone 1						
Facility Na				ADIN		575-748-14						
Mojave Wa		an		API Number	E .	Facility Typ						
Wiojave wa	iter Transi	<u> </u>		30-015-26916	)	Water Trans	ster					
Surface Ow	ner	****		Mineral C	Owner				Lease 1	Jo.		
Fee									Lease 1	10.		
						N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the	East/W	est Line	County		
A	35	20.5S	23E							Eddy		
L					<u> </u>	******						
				Latitude 32.	51966	_ Longitude	104.56573					
				NAT	<b>URE</b>	OF RELI	EASE					
Type of Release						Volume of	Release		Volume F	Recovered		
Produced Wa Source of Re						100 B/PW			0 B/PW			
Water line	icasc					Date and H 5/16/2010,	our of Occurrence	e		Hour of Dis	covery	
Was Immedia	ite Notice C	iven?				If YES, To		L	5/16/2010	), AM		
		$\boxtimes$	Yes 🗌	No 🗌 Not Re	quired		her/NMOCD Arte	esia				
By Whom?				WWW.		Date and H						
Robert Asher,							1 (telephone), 5/1	7/2010 (	e-mail)			
Was a Watero	ourse Reac	hed?				If YES, Vo	lume Impacting th	ne Water	course.	<b>"</b>		- Accession -
IC - W-t			Yes 🖂	No		N/A			Victoria (No. 1999)	South Section of the section of	NE	100 mm
If a Watercourse was Impacted, Describe Fully.* N/A										Las las las	l A fac	. Service
Describe Cause of Problem and Remedial Action Taken.*						1						
Steel water line deteriorated due to corrosion. Vacuum trucks called.												
Describe Area	Affected a	nd Cleanun A	ction Tak	an *			· · · · · · · · · · · · · · · · · · ·			socn.	ARTE	SIA
An approxima	ite area of 3	00' X 75'. N	o produce	d water to recover	r. Isolat	ed leak and s	hut in lines, lines i	repaired	replaced.	Entire rele	ase are	a sprayed
With Microbia	ize. Vertica	al and horizon	tal delinea	tion samples will	be take	n and analysis	ran for TPH & P	TEX I	finitial an	alutical recu	ite for	TDU 9.
will be submit	ted to the	CD Denth t	to Ground	will be submitted   Water: >100' (c	to the U	CD requestin	g closure. If the a	analytica	ıl results aı	re above the	RRAL	a work plan
Area: No, Dis	stance to S	urface Water	Body: >1	000', SITE RAN	KING	IS 0. Based	on analytical resu	ulte dar	tate Engin	ieer), Weili	iead Pi	rotection
retroteum Co	orporation	requests clos	ure.									
I hereby certif	y that the in	nformation giv	ven above	is true and comple	ete to th	e best of my	knowledge and un	derstand	that purs	uant to NM	OCD rt	iles and
regulations all	operators a	are required to	report and	i/or file certain re	lease no	tifications an	d perform correct:	ive actic	ns for rele	acec which	may an	dongor
should their or	nerations ha	onment. The a	acceptance dequately	or a C-141 repor	T by the	NMOCD ma	rked as "Final Re on that pose a three	port" do	es not reli	eve the oper	ator of	liability
or the environ	ment. In ac	ldition. NMO	CD accept	ance of a C-141 re	enort do	es not relieve	the operator of re	at to gro	und water,	, surface wa	ter, hur	man health
federal, state,	or local law	s and/or regul	lations.		•p•	os not reneve	are operator or re	zsponsio	inty for co	лириансе м	illi aliy	outer
							OIL CONS	ERV	TION	DIVISIO	N	
Signature: (	( )	1 ( )1								21,1010	<u> </u>	
Signature:	Les		<u> </u>									
Printed Name:	Robert Asl	ner			A	approved by I	District Supervisor	r:				
Title: Environ	mental Reg	ulatory Agent			A	pproval Date	:	E	xpiration E	Date:		
P	~											
E-mail Addres	s: boba@ya	itespetrpoleun	ı.com		$ \downarrow$ $^{\circ}$	onditions of .	Approval:			Attached	П	
Date: Tuesday	June 08. 2	010	Phone	575-748-4217	12	RP-						
	,			I I TAL	4	IXI -				1		- 1

<sup>\*</sup> Attach Additional Sheets If Necessary

MARTIN YATES, III 1912-1985

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June 8, 2010

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

Re:

Mojave Water Transfer

30-015-26916

Section 35, T20.5S-R23E Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on May 16, 2010 (100 B/PW with 0 B/PW recovered). Samples were taken (5/25/2010), and sent to an NMOCD approved laboratory. These results are within the RRAL's for the site ranking of zero (0), with the depth to ground water >100' (approximately 268', per the New Mexico Office of the State Engineer). Chloride results are for reference. Based on analytical reports and a zero (0) site ranking, Yates Petroleum Corporation requests closure.

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

# State of New Mexico Energy Minerals and Natural Resources

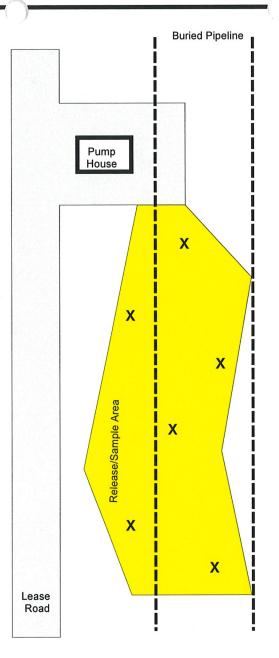
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003 Ibmit 2 Copies to appropriate

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

# Release Notification and Corrective Action

	Action and Corrective Action											
						ATOR			Initia	l Report	$\boxtimes$	Final Report
Name of Co				OGRID Nun	nber	Contact						
Yates Petro Address	leum Corp	останоп		25575		Robert Ash						
104 S. 4 <sup>TH</sup> S	Street					Telephone 3 575-748-14						
Facility Nat		······		API Number		Facility Typ						
Mojave Wa		er		30-015-26916	1	Water Tran						
Surface Ow	ner			Mineral C	)wner			Le	ease N	lo.		
Fee												
				LOCA	ATIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/West I	Line	County		
A	35	20.5S	23E							Eddy		
	<u> </u>		<u> </u>		<u> </u>							
				Latitude 32	<u>51966</u>	_ Longitude	e_104.56573					
				NAT	URE	OF REL	EASE					
Type of Rele						Volume of	Release			Recovered		
Produced Wa						100 B/PW	_	0 B/				
Source of Re Water line	lease					Date and F 5/16/2010,	Hour of Occurrence			Hour of Dis ), AM	covery	•
Was Immedia	ate Notice (	Given?				If YES, To		3/10	7/2010	, Alvi		
			Yes [	No 🗌 Not Re	equired		cher/NMOCD Art	esia				
By Whom?						Date and H	lour					
Robert Asher						5/16/10 Al	M (telephone), 5/1	7/2010 (e-ma	ail)			
Was a Water	course Reac	hed?	37 . <b>5</b> 7	l ar			olume Impacting t	he Watercour	rse.			
☐ Yes ☑ No N/A  If a Watercourse was Impacted, Describe Fully.*												
N/A												
Describe Cause of Problem and Remedial Action Taken.*												
				acuum trucks call	led.				····			
Describe Are					r Icole	stad laak and i	shut in lines, lines	ranairad/ranl	aaad	Entino volo		a annarrad
							is ran for TPH & I					
BTEX are un	der RRAL'	s a Final Repo	ort, C-141	will be submitted	to the	OCD requesti	ng closure. If the	analytical res	ults a	re above the	RRAI	a work plan
will be submi	tted to the (	OCD. Depth	to Ground	d Water: >100' (	approx	. 268' per Ne	w Mexico Office	of the State	Engir	ieer), Welli	head P	rotection
Area: No, Di Petroleum C				1000', SITE RAP	NKING	IS 0. Based	on analytical res	sults, depth t	o grou	und water/s	ite rar	iking, Yates
I hereby certi	fy that the i	nformation gi	ven ahove	is true and comp	lete to t	he best of my	knowledge and u	nderstand tha	t purs	uant to NM	OCD r	ules and
regulations al	l operators	are required to	o report an	d/or file certain re	elease n	otifications a	nd perform correc	tive actions f	or rele	eases which	may er	ndanger
public health	or the envir	onment. The	acceptanc	e of a C-141 repo	rt by th	e NMOCD m	arked as "Final Re	eport" does n	ot reli	eve the oper	rator of	fliability
should their o	perations h	ave failed to a	dequately	investigate and re	emediat	te contaminati	on that pose a three	eat to ground	water	, surface wa	iter, hu	man health
federal, state,				tance of a C-141	report d	ioes not reliev	e the operator of r	responsibility	ior co	ompliance w	/ith any	y otner
							OIL CONS	SERVATI	ON	DIVISIO	)N	
	$\bigcap$	( ),	1				<u> </u>	SEJIC VIIII	<u> </u>	DIVIDIO	<u>-1 1</u>	
Signature:	لعاري		<u> </u>									
Printed Name	: Robert As	her				Approved by	District Superviso	or:				
					$\neg \uparrow$							
Title: Enviror	mental Reg	gulatory Agen	t			Approval Dat	e:	Expira	ation I	Date:		
E-mail Addre	ss: boba@v	atespetrpoleu	n.com			Conditions of	Approval:				<b>,</b>	
		. •	*				lu lu			Attached		
Date: Tuesday	y, June 08, 2	2010	Phone:	: 575-748-4217		2RP-						

<sup>\*</sup> Attach Additional Sheets If Necessary





Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TPH TOTAL	Chlorides
GS/Comp-00.5	5/27/2010	Comp/Auger	6"	ND	ND	ND	ND	ND
GS/Comp-01.0	5/27/2010	Comp/Auger	12"	ND	ND	ND	ND	448
GS/Comp-01.5	5/27/2010	Comp/Auger	18"	ND	ND	ND	ND	460

**Site Ranking is Zero (0).** Depth to Ground Water >100' (approx. 268', per the NMOSE). All results are ppm. Chlorides are for documentation.



Mojave Water Transfer 30-015-26916

Section 35, T20.5S-R293E

**Eddy County, NM** 

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

Xenco Report #: 374798 & 374799 Report Date: 6/8/2010

Prepared by Robert Asher Environmental Regulatory Agent

# **Analytical Report 374798**

for

# **Yates Petroleum Corporation**

Project Manager: Robert Asher

Mojave Water Transfer 30-015-26916

08-JUN-10





# 12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-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: FL00449):

Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295)





08-JUN-10

Project Manager: Robert Asher Yates Petroleum Corporation

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 374798

Mojave Water Transfer 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 374798. 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. 374798 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



# **Sample Cross Reference 374798**



# Yates Petroleum Corporation, Artesia, NM

Mojave Water Transfer

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-00.5	S	May-27-10 09:40	6 - 6 In	374798-001
GS/Comp-01.0	S	May-27-10 10:05	12 - 12 In	374798-002
GS/Comp-01.5	S	May-27-10 10:30	18 - 18 In	374798-003





Client Name: Yates Petroleum Corporation

Project Name: Mojave Water Transfer



Project ID:

30-015-26916

Work Order Number: 374798

Report Date: 08-JUN-10 Date Received: 05/28/2010

# Sample receipt non conformances and Comments:

None

# Sample receipt Non Conformances and Comments per Sample:

None

# Analytical Non Conformances and Comments:

Batch: LBA-808636 Percent Moisture

None

Batch: LBA-808708 TPH by SW 8015B

None

Batch: LBA-809601 BTEX by EPA 8021

SW8021BM

Batch 809601, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis Samples affected are: 375357-002 D.

Batch 809601, the RPD between the sample and sample duplicate for Ethybenzene was outside the QA limits for this batch. This failure is most likely due to sample non-homogeneity.

Final Ver. 1.000



Project Id: 30-015-26916 Contact: Robert Asher

Project Location: Eddy County

# Certificate of Analysis Summary 374798

Yates Petroleum Corporation, Artesia, NM

Project Name: Mojave Water Transfer

Date Received in Lab: Fri May-28-10 09:55 am Report Date: 08-JUN-10

Project Manager: Brent Barron, II

	Lab Id:	374798-001	374798-002	374798-003	
Analysis Pounosted	Field Id:	GS/Comp-00.5	GS/Comp-01.0	GS/Comp-01.5	
Analysis Weylesieu	Depth:	uI 9-9	12-12 In	18-18 In	
	Matrix:	SOIL	SOIL	SOIL	-
	Sampled:	May-27-10 09:40	May-27-10 10:05	May-27-10 10:30	
BTEX by EPA 8021	Extracted:	Jun-07-10 13:00	Jun-07-10 13:00	Jun-07-10 13:00	
	Analyzed:	Jun-07-10 21:09	Jun-07-10 21:31	Jun-07-10 21:54	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		ND 0.0012	ND 0.0012	ND 0.0012	
Toluene		ND 0.0023	ND 0.0024	ND 0.0024	
Ethylbenzene		ND 0.0012	ND 0.0012	ND 0.0012	
m,p-Xylenes		ND 0.0023	ND 0.0024	ND 0.0024	
o-Xylenc		ND 0.0012	ND 0.0012	ND 0.0012	
Xylenes, Total		ND 0.0012	ND 0.0012	ND 0.0012	
Total BTEX		ND 0.0012	ND 0.0012	ND 0.0012	
Percent Moisture	Extracted:				
	Analyzed:	May-29-10 09:14	May-29-10 09:14	May-29-10 09:14	-
	Units/RL:	% RL	% RL	% RL	
Percent Moisture		14.0 1.00	16.4 1.00	16.9 1.00	
TPH by SW 8015B	Extracted:	May-28-10 12:45	May-28-10 12:45	May-28-10 12:45	
	Analyzed:	May-28-10 18:24	May-28-10 18:51	May-28-10 19:17	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons		ND 17.4	ND 18.0	ND 18.0	
C10-C28 Diesel Range Hydrocarbons		ND 17.4	ND 18.0	ND 18.0	
Total TPH		ND 17.4	ND 18.0	ND 18.0	

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 uses of the data hereby presented. Our liability is limited to the amount invoiced for this work order tudess otherwise agreed to in writing.

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

Odessa Laboratory Manager Brent Barron, II

Page 5 of 15

Final Ver. 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 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

\* Outside XENCO's scope of NELAC Accreditation.

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4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
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

# **XENCO-Environmental Lab of Texas**

٠,

TAT bisbrist2 Security Condition Institution (C) N N N VOCs Free of Headspace? (C) N N Labels of continuents) (C) N Country seals on container(s) (C) N Country seals of container(s) (C) N Sample Hand Delivered (C) N N NPDES ede Lone Star RUSH TAT (Pre-Bchedule) 24, 48, 72 hrs Ò Chloridas × Fax: 432-563-1713 Phone: 432-563-1800 TRRP CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST M.A.O.N. Project Name: Mojave Water Transfer IOH 占 BIEX 8021B/5030 or BIEX 8260 × × by Counter UPS I Analyze I Project #: 30-015-26916 Report Format: X Standard Project Loc: Eddy County Netals: As Ag Be Cd Cr Pb Hg Se PO#: 105632 10P Vrions (Cl., SO4, Alkalinity) Cations (Ca, Mg, Na, K) 9001 XT Hal **2001 XT** 9.55 Ē 89108 M8108 E E Hat × × × S Ø 5.78W boba@yatespetroleum.com Date Date TPH: 8015B, BTEX: 8021B & Chlorides. Please show ALL results as mg/kg. Thank you. Other (Specify) Odessa, Texas 79765 12600 West I-20 East N82S2O3 \*OS\*H на 5/75-748-4662 <sup>E</sup>ONH 93| benetliii bie e-mail: Fax No: 10:05 AM 9:40 AM 10:30 AM Cooler # Time Sampled 5/27/2010 5/27/2010 5/27/2010 Received by Received by: Date Sampled 12 <u>\$</u> Ending Depth 2:12 PM E E Ē ıwe 12 ₩ Beginning Depth ø Yates Petroleum Corporation 05/27/10 Oate Date 37478 Company Address: 105 South 4th Street Artesia, NM 88210 PLEASE PUT CHLORIDES ON SEPARATE RUSULTS Project Manager: Robert Asher 575-748-4243 GS/Comp-00.5 GS/Comp-01.0 GS/Comp-01.5 FIELD CODE Sampler Signature: ORDER #: 314798 Company Name Telephone No: City/State/Zip: pecial instructions: elinquished by: Relinquished by lab use only 20 ŏ (Ano esu del) # BAJ



# **XENCO** Laboratories

Atlanta, Corpus Christi, Dallas, Houston, Miami, Midland, Philadelphia, San Antonio, Tampa Document Title: Sample Receipt Checklist

Document No.: SYS - SRC Revision/Date: No.00, 05/18/10

Effective Date:

05/20/10

Page No.:

1 of 1

	Prelogin / N	onconfo	rmance Report – Sa	mple Log-lı	1		
Client: Yates	Petrole	NN					
Date/Time: 5	28.10	1:55	-				
Lab ID #:	374798,		1799				
Initials:	N		A Company of the Comp				
		Sample	Receipt Checklist				
1. Sample on ice?	V 4. ***********************************			Blue	Water	No	
2. Shipping containe	er in good condition	on?		Yes	No	None	
3. Custody seals int	act on shipping c	ontainer	(cooler) and bottles?	(Yés)	No	N/A	
4. Chain of Custody	present?			(Yes)	No		
5. Sample instructio	ns complete on c	hain of c	custody?	(Yes)	No		
6. Any missing / ext	ra samples?			Yes	(No)		
7. Chain of custody	signed when relin	nquished	/ received?	(Yes)	No		
8. Chain of custody	agrees with samp	ole lable	(s)?	(Yes)	No		T.O
9. Container labels l	egible legible and	intact?		(Yes)	No		
10. Sample matrix /	properties agree	with cha	in of custody?	(Yes)	No		
11. Samples in prop	er container / bot	tle?	100000000000000000000000000000000000000	Yes	No		<del></del>
12. Samples proper	ly preserved?			Yes	No	N/A	
13. Sample container intact?					No		
14. Sufficient sample amount for indicated test(s)?					No		-
15. All samples received within sufficient hold time?					No		
16. Subcontract of sample(s)?					No	(N/A)	· ,
17. Voc sample hav	e zero head spac	e?		Yes	No	N/A	
18. Cooler 1 No.	Cooler 2 No.		Cooler 3 No.	Cooler 4	No.	Cooler 5	No.
lbs 4.1 °C	lbs	°C	lbs °C	lbs	°C	lbs	°C
Contact	No	nconfor	mance Documentation	on		L	
Contact:	Con	lacted b	y:	Date/IIm	e:		_
Regarding:					*********		
Corrective ActionTa							Towns and the second
			***				
	***************************************						
Otalia III III II		_					
Check all that apply		ss has be eptable by	gun shortly after sampling NELAC 5.5.8.3.1.a.1.	g event and or	ut of tempe	rature	

☐ Client understands and would like to proceed with analysis

 $\hfill\square$  Initial and Backup Temperature confirm out of temperature conditions

# **Analytical Report 374799**

for

# Yates Petroleum Corporation

Project Manager: Robert Asher

Mojave Water Transfer 30-015-26916

08-JUN-10





# 12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-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)
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: FL00449):

Electric (E86240) Secretic (2001001): Legician (20154) Coorgia (2017)

Florida(E86240), South Carolina(96031001), Louisiana(04154), Georgia(917) North Carolina(444), Texas(T104704468-TX), Illinois(002295)





08-JUN-10

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

Reference: XENCO Report No: 374799

Mojave Water Transfer
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 374799. 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. 374799 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 374799**



# Yates Petroleum Corporation, Artesia, NM

Mojave Water Transfer

Sample Id	Matrix	<b>Date Collected</b>	Sample Depth	Lab Sample Id
GS/Comp-00.5	S	May-27-10 09:40	6 - 6 In	374799-001
GS/Comp-01.0	S	May-27-10 10:05	12 - 12 In	374799-002
GS/Comp-01.5	S	May-27-10 10:30	18 - 18 In	374799-003

# CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Mojave Water Transfer



Project ID:

30-015-26916

Work Order Number: 374799

Report Date: 08-JUN-10 Date Received: 05/28/2010

Sample receipt non conformances and Comments:

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-808636 Percent Moisture

None

Batch: LBA-808878 Inorganic Anions by EPA 300

None

Final Ver. 1.000



Project Id: 30-015-26916 Contact: Robert Asher

Project Location: Eddy County

# Certificate of Analysis Summary 374799

Yates Petroleum Corporation, Artesia, NM

Project Name: Mojave Water Transfer

Date Received in Lab: Fri May-28-10 09:55 am Report Date: 08-JUN-10

Project Manager: Brent Barron, II

	Lab Id:	374799-001	374799-002	374799-003	
Amalucie Donnoctod	Field Id:	GS/Comp-00.5	GS/Comp-01.0	GS/Comp-01.5	
Allanysis Meywesieu	Depth:	ul 9-9	12-12 In	18-18 In	
	Matrix:	SOIL	SOIL	SOIL	
	Sampled:	May-27-10 09:40	May-27-10 10:05	May-27-10 10:30	
Anions in Soil By EPA 300.0	Extracted:				
	Analyzed:	Jun-01-10 15:23	Jun-01-10 15:23	Jun-01-10 15:23	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		ND 19.5	448 20.1	460 20.2	
Percent Moisture	Extracted:				
	Analyzed:	May-29-10 09:14	May-29-10 09:14	May-29-10 09:14	
	Units/RL:	% RL	% RL	% RL	-
Percent Moisture		14.0 1.00	16.4 1.00	16.9 1.00	

Odessa Laboratory Manager Brent Barron, II

Page 5 of 11

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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 his analytical report represent the besi luggemen 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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# 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
- \* Outside XENCO's scope of NELAC Accreditation.

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	(281) 240-4200 (214) 902 0300 (210) 509-3334 (813) 620-2000 (305) 823-8500 (432) 563-1800

# **XENCO-Environmental Lab of Texas**

TAT brabnat2 NPDES TAT HZUSH TAT (Pre-Schedule) 24, 48, 72 hre edEV Lone Star ပ္ Sample Hand Delivered Chloridas Phone: 432-563-1800 Fax: 432-563-1713 TRRP CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST M.A.O.N Project Name: Mojave Water Transfer RCI BIEX 8021B/2030 O: BIEX 8580 × (455 et 455 emperature Upon Receipt: Project #: 30-015-26916 Report Format: X Standard Project Loc: Eddy County Metals: As Ag Be Cd Cr Pb Hg Se PO #: 105632 TOLP YESP/CEC mions (Ct, SO4, Alkalinity) Sations (Ca, Mg, Na, K) 8001 XT Нал SE. 89108 Time M&108 1.811 Hai × аресцу Опрет M = Groundwater S=Sol/Solid S M-82. egbui≳=JS reteW golbkrind=W( boba@yatespetroleum.com Date Please show ALL results as mg/kg. Thank you. Other (Specify) euoN Odessa, Texas 79765 12600 West I-20 East COSSEN HOWN OSZH ЮН 575-748-4662 чио - steniamoo to .# lato 12 benettiil biel e-mail: Fax No: 10:05 AM 10:30 AM 9:40 AM Cooler # Time Sampled TPH: 8015B, BTEX: 8021B & Chlorides. 5/27/2010 5/27/2010 5/27/2010 Received by: Received by: Date Sampled 12" 18, **Էսգյսն ը**թեքի ō 2:12 PM Ē Lime 12 Beginning Depth φ \$ Yates Petroleum Corporation 05/27/10 Date Company Address: 105 South 4th Street 37478 Artesia, NM 88210 PLEASE PUT CHLORIDES ON SEPARATE RUSULTS Robert Asher 575-748 424 GS/Comp-00.5 GS/Comp-01.0 GS/Comp-01.5 FIELD CODE Sampler Signature: ORDER#:314798 Project Manager. Company Name Telephone No: City/State/Zip: pecial instructions: Relinquished by: Robert Asher Relinquished by: elinquished by: (lab use only) S 20 ŏ AB # (lab use only)



# XENCO Laboratories

Atlanta, Corpus Christi, Dallas, Houston, Miami, Midland, Philadelphia, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS - SRC

Revision/Date: No.00, 05/18/10 05/20/10 Effective Date:

Page No.:

1 of 1

Prelogin /	Nonconformance	Report -	- Sample	Log-In

	Prelogin / N	onconfo	rmance Re	eport – Sam	ıple Log-lı	n		
Client: Yates	Petrole	um						
Date/Time: 5.	28.10	7:55	*					
Lab ID #:	374798		1799					
Initials:	N							
		Sampl	e Receipt (	Checklist				
1. Sample on ice?		· · ·			Blue	Water	No	
2. Shipping containe	r in good conditi	ion?			Yes	No	None	
3. Custody seals inta	ct on shipping o	ontainer	(cooler) an	bottles?	(Yés)	No	N/A	
4. Chain of Custody	present?				(Yes)	No		
5. Sample instruction	ns complete on o	chain of d	custody?		Yes	No		
6. Any missing / extra	a samples?				Yes	(No)		
7. Chain of custody s	signed when reli	nquished	/ received	?	Yes	No		
8. Chain of custody a	agrees with sam	ple lable	(s)?		(Yes)	No		
9. Container labels le	gible legible an	d intact?			Yes	No		
10. Sample matrix / p	properties agree	with cha	in of custod	dy?	(Yes)	No		
11. Samples in prope	er container / bo	ttle?		-	Yes	No		
12. Samples properly					Yes	No	N/A	
13. Sample containe	r 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	
	Cooler 2 No.		Cooler 3 N	10.	Cooler 4	No.	Cooler 5	No.
lbs 4.1 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C
Contact:				umentation				
	COI	itacted b	y		_Date/Tim	e:		_
Regarding:								
Corrective ActionTal	(en:							
				······································				
Check all that apply:	☐ Cooling proce condition acce	ss has be eptable by	gun shortly a NELAC 5.5.8	fter sampling e 3.3.1.a.1.	event and or	ut of temper	rature	
	☐ Initial and Bac				erature con	ditions		

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

