

AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pKJ1607137443

1RP - 4212

YATES DRILLING CO

District I

1625 N. French Dr., Hobbs, NM 88240 EEVE Energy Minerals and Natural Resources

District II

District III
1000 Rio Brazos Road, Aztec, NM 87406 0 4 2010

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

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

Palage Notification and Corrective Action

				0	PERA	TOR			Initia	l Report	\boxtimes	Final Repo
Name of C				OGRID Nu	mber	Contact				,		
	oleum Corp	oration		25575		Robert Ash						
Address						Telephone 1						
104 S. 4 TH						575-748-14						
Facility Na				API Number		Facility Typ	e					
Orbison Bo	ON State Co	om. #2		30-025-388	88	Well						
Surface Ov	vner			Mineral	Owner				Lease 1	No.		
Fee				State					V-5875			
				LOC	ATIO	N OF RE	FACE					
Jnit Letter	Section	Township	Range	Feet from the	_	South Line	Feet from the	East/We	st Line	County		
J	14	12S	34E	1650	Hora	South	1980	East		Lea		
				Latitude 33.	27584	Longitud	103 47870					
								-				
1-22-16	White I			NA'	FURE	OF REL						
Type of Rel						Volume of				Recovered		
Oil & Produ Source of R						2 B/O & 5	Hour of Occurren		B/O &	Hour of Di	COVery	,
Well head	elease					4/25/2010			1/25/201		scovery	
	iate Notice (Given?			4 -	If YES, To		1	6 19	,		
			Yes [No Not F	Required	N/A						
By Whom?						Date and I	Hour					
N/A				1 1		N/A						
Was a Wate	rcourse Read		1 v 5	7			olume Impacting	the Water	course.			
If a Watana	umaa uuaa Ima	pacted, Desc	Yes 🗵			N/A						
n a waterco	ourse was im	pacted, Desci	nibe runy.									
	use of Probl	em and Reme	edial Actio	n Taken.*			-					
				e. Backhoe crew	called							
		and Cleanup			. 1 . 7	1 1 1	MACCO	1.6	**	1 11	. 1.1	1'
				craped up impac & BTEX (chloric								
				D requesting clo								
submitted to	the OCD.	Depth to Gro	ound Wate	er: 50-99' (appr	ox. 65',	Section 14, T	10S-R34E, per	New Mexic	o Office	of the Stat	e Engi	neer),
				ırface Water Bo		000', SITE RA	ANKING IS 10.	Based on a	analytica	ıl results, iı	npacte	d soils
excavated/l	auled, Yate	es Petroleum	Corporat	ion requests clo e is true and com	sure.	the best of my	Imaveladas and	undonaton d	that mus	august to NIN	IOCD .	nulas and
regulations	all operators	are required	to report a	nd/or file certain	release	notifications a	nd perform corre	ective action	ns for rel	eases which	may e	ndanger
				ce of a C-141 rep								
				investigate and				reat to grou	and wate	r, surface w	ater, hu	ıman health
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lederal, stat	e, or local la	ws and/or reg	ulations.			17						
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	(Les	W					AF					-
Signature:					1 1	Approved by						
						- PF. 5. CG 0.						
Signature: Printed Nan	ne: Robert A	sher										
Printed Nan			nt			Approval Da	te: 3 11	6 Ex	piration	Date:		
Printed Nan	onmental Re	gulatory Age				Approval Da		€ Ex	piration	Date:		
Printed Nan	onmental Re					Approval Da		Ex	piration		<u> </u>	
Printed Nan Title: Envir E-mail Add	onmental Re	gulatory Age yatespetroleu	m.com	e: 575-748-4217		us - Total		Е	piration	Date:	42	12

MARTIN YATES, III

FRANK W. YATES 1936-1986

S.P. YATES



105 SOUTH FOURTH STREET

ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

JOHN A. YATES

JOHN A. YATES JR.

SCOTT M. YATES

JAMES S. BROWN
CHIEF OPERATING OFFICER

JOHN D. PERINI

August 2, 2010

Mr. Geoffrey Leking NMOCD District I 1625 French Drive Hobbs. NM 88240

Re:

Orbison BON State Com. #2

30-025-38888

Section 14, T12S-R34E Lea County, New Mexico RECEIVED

AUG 0 4 2010 HOBBSOCD

Dear Mr. Leking,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on April 25, 2010 (approximately 2 bbls of oil and 5 bbls of produced water with no oil or produced water being recovered). The release was from a well head (packing blew out). Samples were taken on 5/21/2010 and sent to an NMOCD approved laboratory for analysis (chlorides for documentation), based on results (enclosed with a sample diagram), approximately one (1) foot of impacted soils were excavated from the well pad, these soils were taken to an NMOCD approved facility. Samples were taken on 5/21/2010 and sent to an NMOCD approved laboratory for analysis (chlorides for documentation), based on results (enclosed with a sample diagram) show the levels of TPH & BTEX are below RRAL's for the site ranking of (10) ten. Based on analytical results, impacted soils excavated/hauled; Yates Petroleum Corporation requests closure. Clean material has been stockpiled on the well pad, upon approval the excavation area will be backfilled.

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

Thank you.

YATES PETROLEUM CORPORATION

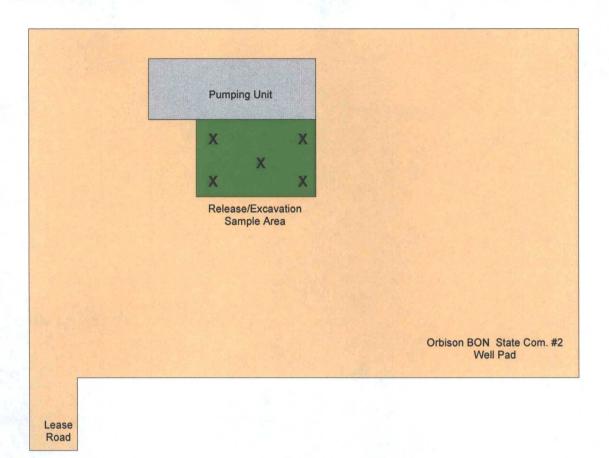
Robert Asher

Environmental Regulatory Agent

/rca

Enclosure(s)





Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
	5/21/2010	Composite/Shovel	6"	ND	23.4	1880	1903	2230
Sample ID	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
	7/15/2010	Composite/Shovel	6"(1.5' BSL)	ND	ND	337	337	366

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 65', per New Mexico State Engineer Office).

All results are ppm. Chloride results are for documentation. BSL - Below Subsurface Level. X - Sample Points

RECEIVED

AUG 0 4 2010 HOBBSOCD



Orbison BON State Com. #2

30-025-38888

Section 14, T12S-R34E

Lea County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco Report #: 373908 & 373910 Report Date: 5/21/2010 Xenco Report #: 382076 & 382077 Report Date: 7/22/2010

Prepared by Robert Asher

Analytical Report 382076

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2 30-025-38888

22-JUL-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 (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: FL00449):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)





22-JUL-10

Project Manager: Robert Asher Yates Petroleum Corporation 105 South Fourth St.

Artesia, NM 88210

Reference: XENCO Report No: 382076

Orbison BON State Com. # 2 Project Address: Lea 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 382076. 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. 382076 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 382076



Yates Petroleum Corporation, Artesia, NM

Orbison BON State Com. # 2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-00.5	S	Jul-15-10 10:12	6 - 6 In	382076-001

CASE NARRATIVE



Client Name: Yates Petroleum Corporation Project Name: Orbison BON State Com. # 2



Project ID:

30-025-38888

Work Order Number: 382076

Report Date: 22-JUL-10 Date Received: 07/17/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-815230 Percent Moisture

None

Batch: LBA-815285 BTEX by EPA 8021

SW8021BM

Batch 815285, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 382076-001.

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

within laboratory Control Limits

Batch: LBA-815710 TPH by SW 8015B

SW8015B NM

Batch 815710, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix

Spike.

Samples affected are: 382076-001.

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

Control Limits



Project Id: 30-025-38888 Contact: Robert Asher

Project Location: Lea County

Certificate of Analysis Summary 382076

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2

Date Received in Lab: Sat Jul-17-10 09:28 am Report Date: 22-JUL-10

Project Manager: Brent Barron, II

	Lab Id:	382076-001		
Amalucis Donnoctod	Field Id:	GS/Comp-00.5		*
Analysis requesieu	Depth:	uI 9-9		
	Matrix:	SOIL		
	Sampled:	Jul-15-10 10:12		
BTEX by EPA 8021	Extracted:	Jul-19-10 15:15		
	Analyzed:	Jul-20-10 01:36		
	Units/RL:	mg/kg RL		
Benzene		0.0		
Toluene		ND 0.0022		
Ethylbenzene		ND 0.0011		
m,p-Xylenes		ND 0.0022		
o-Xylene		ND 0.0011		
Xylenes, Total		ND 0.0011		
Total BTEX		ND 0.0011		
Percent Moisture	Extracted:			
	Analyzed:	Jul-20-10 08:28		
	Units/RL:	% RL		
Percent Moisture		11.9 1.00		
TPH by SW 8015B	Extracted:	Jul-19-10 15:00		
	Analyzed:	Jul-21-10 12:47		
	Units/RL:	mg/kg RL		
C6-C10 Gasoline Range Hydrocarbons		ND 17.0		
C10-C28 Diesel Range Hydrocarbons		337 17.0		
Total TPH		337 17.0		
			To the second se	

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 Brent Barron, II

Final 1.000



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to 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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Phone Fax (281) 240-4200 (281) 240-4280 4143 Greenbriar Dr, Stafford, Tx 77477 (214) 902 0300 (214) 351-9139 9701 Harry Hines Blvd, Dallas, TX 75220 (210) 509-3334 (210) 509-3335 5332 Blackberry Drive, San Antonio TX 78238 (813) 620-2000 (813) 620-2033 2505 North Falkenburg Rd, Tampa, FL 33619 (305) 823-8500 (305) 823-8555 5757 NW 158th St, Miami Lakes, FL 33014 (432) 563-1800 (432) 563-1713 12600 West I-20 East, Odessa, TX 79765 (361) 884-0371 (361) 884-9116 842 Cantwell Lane, Corpus Christi, TX 78408

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

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

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Project Name: Orbison BON State Com.	Project #: 30-025-38888	Project Loc: Lea County	PO #: 105632	X Standard			TCLP:	TOTAL		SAR / ESP / CEC								_	1	_	Laboratory Comments: NOCs Free of Headspace?	Custody seals on container(s)		by Sampler/Client Rep. by Couner? UPS	Temperature Upon Receipt:
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Robert Asher	Yates Petroleum Corporation	Company Address: 105 South 4th Street	Artesia NM 88210	0.0	2/2-1		-		1.00c/	1 9	GS/Comp-00.5	200							ORIDES	EPORT			2		
Project Manager:	Company Name	inv Address:	City/State/7ip:		Telephone No:	sampler Signature.		7	22012) 	9/85								PLEASE PUT CHLORIDES	ON SEPARATE REPORT	lons:		100 10%		
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TAT bisbnst2



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. 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 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. 18. Contact:	Client: Yates							
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Ibs 2 · 6 ° c Ibs Ibs ° C Ibs	17. VOC sample have ze	ro head space?			Ves	No	N/A	
Nonconformance Documentation Contact:Contacted by: Date/Time:	18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.		Cooler 4 No).	Cooler 5 No.	
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	Contact:					Date/Time:		
Regarding:		- John Market D	,			Dato Time		
	Regarding:							
Corrective Action Taken:	Corrective Action Taken	1:						
		101						

Check all that apply: Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

□ Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

Analytical Report 382077

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2 30-025-38888

22-JUL-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 (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: FL00449):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)





22-JUL-10

Project Manager: Robert Asher Yates Petroleum Corporation 105 South Fourth St.

Artesia, NM 88210

Reference: XENCO Report No: 382077

Orbison BON State Com. # 2 Project Address: Lea 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 382077. 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. 382077 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 382077



Yates Petroleum Corporation, Artesia, NM

Orbison BON State Com. #2

 Sample Id
 Matrix
 Date Collected
 Sample Depth
 Lab Sample Id

 GS/Comp-00.5
 S
 Jul-15-10 10:12
 6 - 6 In
 382077-001

CASE NARRATIVE



Client Name: Yates Petroleum Corporation Project Name: Orbison BON State Com. # 2



Project ID:

30-025-38888

Work Order Number: 382077

Report Date: 22-JUL-10

Date Received: 07/17/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-815230 Percent Moisture

None

Batch: LBA-815319 Anions in Soil By EPA 300.0

None



Certificate of Analysis Summary 382077

Project Name: Orbison BON State Com. # 2

Date Received in Lab: Sat Jul-17-10 09:28 am

Project Manager: Brent Barron, II Report Date: 22-JUL-10

	Lab Id:	382077-001	
Assolver Dogwood	Field Id:	GS/Comp-00.5	
Anatysis wequested	Depth:	ul 9-9	
	Matrix:	SOIL	
	Sampled:	Jul-15-10 10:12	
Anions in Soil By EPA 300.0	Extracted:		
	Analyzed:	Jul-19-10 16:56	
	Units/RL:	mg/kg RL	
Chloride		366 23.8	
Percent Moisture	Extracted:		
	Analyzed:	Jul-20-10 08:28	
	Units/RL:	% RL	
Percent Moisture		11.9 1.00	

Odessa Laboratory Manager Brent Barron, II

Page 5 of 11

Final 1.000

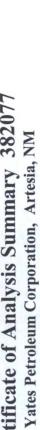
Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

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.

Contact: Robert Asher

Project Location: Lea County

Project Id: 30-025-38888



CE WITH



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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 12600 West I-20 East Odessa, Texas 79765

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

Preservation & # of Containers Matrix B 101AL:	S S S S S S S S S S S S S S S S S S S	The state of the	Se droundwater &=Solica Oli Con = Groundwater &=Solica Oli Con Oli Con	Doba@yatespetrole Preservation & # of Containere HOO, HICH HOO, HICH HOOH NaOH NaOH NaOH NaOH NaOH NaOH NaO		Chlorides. Received by:	8021B 8021B 6 Ending Depth	ation A Beginning Depth	## Street th Str	lame Yates F ddress: 105 So ddress: 105 So ddress: 105 So OTU OT CHLORIDE VATE REPORT AATE REPORT AD UT CHLORIDE
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UT CHLORIDES Weight Sport Headsoned Weight Sport Spo	See		Date			Danning hu	Timo		Date	
Co. Beginning Depth Og. Ending Depth Og. Og. Ending Depth Og.	(3					& Chlorides.	8021B	STEX:	I: 8015B, E	Special Instructions: TPH
© Ending Depth © Ending Depth O Date (Sampled Hold) O Date (Sampl								_		ON SEPARATE REPORT
Date Sampled The	+							\dashv		PLEASE PUT CHLORIDES
Og Beginning Depth Og Ending Depth A Total & Of Containers A The TX 1005 A THU03 A THU35 A	+							\dashv		
Ogg Beginning Depth Ogg Beginning Depth Ogg Ending Depth Ogg Ending Depth Ogg Ending Depth Ogg Ending Depth Time Sampled Aniona (Ci, SO4, Akalinity) Anio										
Cadons (Cs. Mg, Ns. K) Parish (Specify) Parish										
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Component Sampled Time Sample								\vdash		
Calons (Cs. Mg, Na. K) Cations (Cs. Mg, Na. K							_	-		
© Ending Depth © Ending Depth © Ending Depth Time Sampled The Trans Sampled Anions (Cl. SO4, Alkalinity) The Trans Sampled Anions (Cl. SO4, Alkalinity)							\vdash	-		
Beginning Depth Ending Depth Ending Depth Ending Depth Time Sampled Total #, of Containers Total #, of Containers HySO, None Other (Specify) TPH: 418.1 8015M 801 Wetals: As Ag Ba Cd Cr Pb Hg Volatiles SAR / ESP / CEC Cations (Cl, SO4, Alkaiinity) Wetals: As Ag Ba Cd Cr Pb Hg Volatiles SAR / ESP / CEC Sampled Wetals: As Ag Ba Cd Cr Pb Hg Wone Other (Specify) Total # 18.1 8015M 801 TPH: 418.1 8015M 801 TPH: 418.1 8015M 801 TPH: 418.1 8015M 801 Wone Other (Specify) Avoisities Sampled Wone Wone Other (Specify) Anone Sampled None Sampled None Other (Specify) Anone Sampled None Sampled None Sampled None Sampled None Sampled None Other (Specify) Anone Sampled None None Sampled None None Sampled None Sampled None Sampled None None Sampled None None Sampled None None Sampled None Sampled None None Sampled None Sampled None None Sampled None None None None None Sampled None Non	×	×	S	_	10:12 AM	7/15/2010	-			GS/Comp-00 5
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- FOTA				-					Γ	
		Analyze For	m.com	boba@yatespetrole	e-mail:				\vec{Q}	Sampler Signature:
ture: boba@yatespetroleum.com		X Standard	Repo	575-748-4662	Fax No:				17	
575-748-4217 Fax No: 575-748-4662 Report Format: X Standard TRRP ture: Analyze For: TCLP: TCL		PO #: 105632							88210	City/State/Zip: Artesia, NM
Fax No: 575-748-4662 Report Format: X Standard TRRP Analyze For:		Project Loc: Lea County	1						th Street	pany Address: 105 South 4
Project Loc: Lea County								ation	eum Corpor	
Project #: 30-025-38888 Project Loc: Lea County Po#: 105632 Fax No: 575-748-4662 Report Format: X Standard TRRP TRRP	#2	roject Name: Orbison BON State Com. #	_							Project Manager: Robert Ashe
Project #: 30-025-38888 Project Loc: Lea County Post Loc: Lea County Post Loc: Lea County Project Loc: Lea County Post 105632 Report Format: X Standard TRRP TRRP Analyze For:	#2	roject Name: Orbison BON State Com. #	<u>a</u>							76



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: Yo	ates								
Date/Time:	7/17/	10 9	28		_				
Lab ID#:	387		3870	17	_				
Initials:	1-								
<u> </u>	U	*****	6	ample Rece	int Chack	lint			
			3	ample Rece	ipt Check	list			
1. Samples on	ice?					Blue	(Water)	No	
2. Shipping co	ntainer in	good condition	on?			Yes	No	None	
3. Custody se	als intact o	n shipping co	ontainer (co	ooler) and bottl	es?	Yes	No	N/A	1.7
4. Chain of Cu	stody pres	ent?				Yes	No		
5. Sample inst	tructions co	omplete on c	nain of cus	tody?		Yes	No	0	
6. Any missing	g / extra sa	mples?			54W1	19/199	(No)	100 miles 100 miles	
7. Chain of cu	stody signe	ed when relin	quished / r	eceived?		Yes	No		14 s
8. Chain of cu	stody agree	es with samp	le label(s)?			Yes	No	х	PELL :
9. Container la	abels legibl	e and intact?				Yes	No	1 1 1 140	10.00
10. Sample ma	atrix / prope	erties agree v	vith chain o	of custody?		Yes	No		resk situal
11. Samples in	n proper co	ntainer / bott	le?			Yes	No		an branch
12. Samples p	roperly pre	served?				(es)	No	N/A	error la
13. Sample co	ntainer inta	act?				Yes	No	1	
14. Sufficient	sample am	ount for indic	ated test(s)?		Ves	No		
15. All sample	s received	within suffic	ent hold tir	me?		4	No		
16. Subcontra	ct of samp	le(s)?				Yes	No	(NIA)	
17. VOC samp	ole have zer	o head space	97			Ves	No	N/A	20100 1 2
18. Cooler 1 N	lo.	Cooler 2 No.		Cooler 3 No.		Cooler 4 No).	Cooler 5 No.	
Ibs	2.6 ℃	Ibs	°C	lb	s °C	lbs	°C	lbs	°C
			None	onformance	Docume	ntation			
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oontact			onacted by			-	Date/Time		
Regarding:									
Corrective Ac	tion Taken:								
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Ohaah - Wat -	h m	Caalle	k t	egun shortly aft				atura	

condition acceptable by NELAC 5.5.8.3.1.a.1.

□ Client understands and would like to proceed with analysis

☐ Initial and Backup Temperature confirm out of temperature conditions

Analytical Report 373910

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2 30-025-38888

27-MAY-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 (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: FL00449):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295)





27-MAY-10

Project Manager: Robert Asher Yates Petroleum Corporation

105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 373910

Orbison BON State Com. # 2 Project Address: Lea 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 373910. 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. 373910 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 373910



Yates Petroleum Corporation, Artesia, NM

Orbison BON State Com. #2

Sample IdMatrixDate CollectedSample DepthLab Sample IdGS/Comp-00.5SMay-20-10 11:156 - 6 In373910-001

CASE NARRATIVE



Client Name: Yates Petroleum Corporation Project Name: Orbison BON State Com. # 2



Project ID:

30-025-38888

Work Order Number: 373910

Report Date: 27-MAY-10

Date Received: 05/21/2010

Sample receipt non conformances and Comments:

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-807669 Percent Moisture

None

Batch: LBA-807914 Inorganic Anions by EPA 300

None

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Project Id: 30-025-38888 Contact: Robert Asher

Project Location: Lea County

Certificate of Analysis Summary 373910

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2



Date Received in Lab: Fri May-21-10 09:55 am Report Date: 27-MAY-10

Project Manager: Brent Barron, II

	Lab Id:	373910-001	
Auglieic Dogwood	Field Id:	GS/Comp-00.5	
naisan kadanaka	Depth:	ul 9-9	
	Matrix:	SOIL	
	Sampled:	May-20-10 11:15	
Anions in Soil By EPA 300.0	Extracted:		
	Analyzed:	May-24-10 15:45	
	Units/RL:	mg/kg RL	
Chloride		2230 42.0	
Percent Moisture	Extracted:		
	Analyzed:	May-21-10 17:00	
	Units/RL:	% RL	
Percent Moisture		3.45 1.00	

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

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Odessa Laboratory Manager Brent Barron, II

Page 5 of 11

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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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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116
	(281) 240-4200 (214) 902 0300 (210) 509-3334 (813) 620-2000 (305) 823-8500 (432) 563-1800

Environmental Lab of Texas

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12600 West I-20 East Odessa, Texas 79765

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

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Orbison BON State Com. #2						L			Chlorides	×								L		250	1		100	1	١
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5	Project #: 30-025-38888	Project Loc: Lea County	~	X Standard			_	98	Metals: As Ag Ba Cd Cr Pb Hg							\rightarrow		┸	4	3 6	sle		by Sampler/Client Rep. by Gourier? , UPS	re C	١
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	um Corporatio	n Street	88210		Č			200												TPH: 8015B, BTEX: 8021B & Chlorid	Date	05/20/10	Date	Date	
Project Manager: Robert Asher		.ss	City/State/Zip: Artesia, NM 88210		. d.			13908/212910		GS/Comp-00.5								PLEASE PUT CHLORIDES	ON SEPARATE REPORT		4	CW W/C		odet	
Projec	Comp	Comp	City/S	Teleph	Samo	diago	th use only)	RDFR #	(vino esu dai) # 8A	70	5		<u></u>					PLEA	ON S	pecial instructions:	elinquished by:	obert Asher	elinquished by:	telinquished by: Podex	



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 / Nonconformance Report – San	nple Log-In	1		
Client: Yates Petroleum				
Date/Time: 5-21-10 9:55				
Lab ID #: 313\$08 / 373910				
Initials: AL				
Sample Receipt Checklist				
1. Sample 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	10
4. Chain of Custody present?	Yes	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No		- XXXX - 17 - 17 - 17 - 17 - 17 - 17 - 1
7. Chain of custody signed when relinquished / received?	Yes	No		
Chain of custody agrees with sample lable(s)?	Yes	No		
Container labels legible legible and intact?	Yes	No		* 1
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	7
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 4.6°C lbs °C lbs °C	lbs	°C	Ibs	°C
Contact: Contacted by:		ne:		_
Regarding:				_
Corrective ActionTaken:				_
				_
Check all that apply: Cooling process has begun shortly after sampling condition acceptable by NELAC 5.5.8.3.1.a.1.	g event and o	ut of tempe	rature	

□.Initial and Backup Temperature confirm out of temperature conditions

☐ Client understands and would like to proceed with analysis

Analytical Report 373908

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2 30-025-38888

27-MAY-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)

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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)



27-MAY-10

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

Reference: XENCO Report No: 373908

Orbison BON State Com. # 2 Project Address: Lea 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 373908. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

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We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 373908



Yates Petroleum Corporation, Artesia, NM

Orbison BON State Com. #2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Com-00.5	S	May-20-10 11:15	6 - 6 In	373908-001

CASE NARRATIVE



Client Name: Yates Petroleum Corporation Project Name: Orbison BON State Com. # 2

Project ID:

30-025-38888

Work Order Number: 373908

Report Date: 27-MAY-10

Date Received: 05/21/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-807669 Percent Moisture

None

Batch: LBA-807718 TPH by SW 8015B

None

Batch: LBA-808305 BTEX by EPA 8021

SW8021BM

Batch 808305, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 373908-001.

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

within laboratory Control Limits

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Project Id: 30-025-38888 Contact: Robert Asher

Project Location: Lea County

Certificate of Analysis Summary 373908

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2

me: Orbison BON State Com. # 2

Date Received in Lab: Fri May-21-10 09:55 am

Report Date: 27-MAY-10
Project Manager: Brent Barron, II

Lab Id: 373908-001				roject Manager. Dient Danion, II	
Field Id. GS/Com- Depth: G-6 In Matrix: SOIL Sampled: May-26-10 Analyzed: May-26-10 Analyzed: May-26-10 Dits/RL: mg/kg ND ND		Lab Id:	373908-001		
BTEX by EPA 8021 Sampled: Soll	Analysis Donnostod	Field Id:	GS/Com-00.5		
BTEX by EPA 8021 Sampled: Sompled: Sampled: May-20-10 BTEX by EPA 8021 Extracted: May-26-10	maisan hay sisting	Depth:	ul 9-9		
BTEX by EPA 8021 Extracted: May-20-10		Matrix:	SOIL		
BTEX by EPA 8021 Extracted: May-26-10 nine Units/RL: mg/kg nine ND es ND otal ND X ND Analyzed: ND isture Extracted: Analyzed: % isture 3.45 TPH by SW 8015B Extracted: istoline Range Hydrocarbons Units/RL: mg/kg issoline Range Hydrocarbons 1903 lossel Range Hydrocarbons 1880		Sampled:	May-20-10 11:15		
Analyzed: May-26-10	BTEX by EPA 8021	Extracted:	May-26-10 10:30		
Units/RL: mg/kg ND		Analyzed:	May-26-10 17:42		
ND		Units/RL:			
ND	Benzene				
ND	Toluene				
ND	Ethylbenzene				
ND	m,p-Xylenes				
ND	o-Xylene				
ND	Xylenes, Total				
Percent Moisture Extracted: Analyzed: May-21-10 17: Units/RL: % 3.45 TPH by SW 8015B Extracted: Analyzed: May-21-10 19: Analyzed: May-21-10 19: Units/RL: mg/kg 23.4 1903 1903	Total BTEX				
Analyzed: May-21-10 17: Units/RL: % 3.45 TPH by SW 8015B Extracted: May-21-10 10: Analyzed: May-21-10 19: Units/RL: mg/kg Soline Range Hydrocarbons 1880 1903	Percent Moisture	Extracted:			
Units/RL: %6 3.45 TPH by SW 8015B Extracted: May-21-10 10: Analyzed: May-21-10 19: Units/RL: mg/kg		Analyzed:	May-21-10 17:00		
3.45 TPH by SW 8015B Extracted; May-21-10 10: Analyzed; May-21-10 19: Units/RL: mg/kg Siesel Range Hydrocarbons 1880 1903		Units/RL:			
TPH by SW 8015B Extracted: May-21-10 10: Analyzed: May-21-10 19: Units/RL: mg/kg isoline Range Hydrocarbons 23.4 liesel Range Hydrocarbons 1880	Percent Moisture				
Analyzed: May-21-10 19: Units/RL: mg/kg asoline Range Hydrocarbons 23.4 Diesel Range Hydrocarbons 1880 1	TPH by SW 8015B	Extracted:	May-21-10 10:30		
usoline Range Hydrocarbons 23.4 l		Analyzed:	May-21-10 19:11		
23.4 bisoline Range Hydrocarbons 23.4 lissel Range Hydrocarbons 1800 liesel Range Hydrocarbons 1903		Units/RL:			
Diesel Range Hydrocarbons 1880	C6-C10 Gasoline Range Hydrocarbons				
1903	C10-C28 Diesel Range Hydrocarbons				
	Total TPH		1903 15.5		

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

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Brent Barron, II Odessa Laboratory Manager

Page 5 of 14

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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.
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- **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.
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- J The target analyte was positively identified below the MQL and above the SQL.
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- 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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Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 12600 West I-20 East Odessa, Texas 79765

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

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iso	30-025-38888	Project Loc: Lea County	33	X Standard		à	<u></u>		2∀K \ E2b \ CEC	12.			_			+	\neg	Laboratory Comments: VOCs Free of Headspace?	Custody seals on container(s)	Sample Hand Delivered by Sampler/Client Rep.	Temperature Upon Receipt:
	싫	ea	PO #: 105632	×	- 1	TCLP	TOTAL		Anions (Cl., SO4, Alkalinity)				\top	+	_	\dashv	7	Laborator Bressel	Custody s	ple	1 B
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Project Name:		Pro		Report Format:			-		NP≖Non-Potable Specify Other							\dashv			-		B. U-10 9:55
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				ш.	티			≥	DW=Drinking Water SL=Studge										ē	e e	e =
					boba@yatespetroleum.com				Other (Specify)										Date	Date	· Date
					티			Preservation & # of Containers	None												3
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Project Manager:	Company Name	Company Address: 105 South 4th Street	City/State/Zip:	Telephone No:	Sampler Signature:			_								PLEASE PUT CHLORIDES	ON SEPARATE REPORT	truc	by:	<u>\$</u>	A
P	C	် ပိ	Ö	-	S		only	*		+	++	+	-	-	-	0.	0	TIS .	shed	shed	P
							(lab use only)	ORDER #:	(Yino seu dei) # 8A	10								Special instructions:	Relinquished by:	ngui	ndni
							(lab	OR	, , , , , , , , , , , , , , , , , , ,	1								Spe	Rel	Robert Asher Relinquished by:	Relinquished by: Pod & A
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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 / Nonconformance Report - Sample Log-In

				mance Ke	port – Samp	He Log-II			
Client:	Yates		Jeum						
Date/Tim			9:55						
Lab ID#	313		373910						
Initials:		AL							
			Sample	Receipt C	hecklist		_		
1. Sample	e on ice?					Blue	Water	No	
2. Shippir	ng containe	r in good con	dition?			Yes	No	None	
3. Custod	ly seals inta	ct on shippin	Yes	No	N/A				
4. Chain	of Custody	present?	Yes	No					
5. Sample	e instruction	s complete o	Yes	No		3.5			
6. Any mi	ssing / extr	a samples?	Yes	No		-			
7. Chain	of custody s	signed when	Yes	No					
8. Chain	of custody a	agrees with sa	Yes	No		- 1			
9. Contai	ner labels le	egible legible	and intact?			Yes	No		. 4
10. Samp	ole matrix / p	properties ag	ree with cha	in of custoo	dy?	Yes	No		
11. Samp	oles in prope	er container /	bottle?			Yes	No		
12. Samp	oles properl	y preserved?	(Yes)	No	N/A	N.			
13. Samp	ole containe	er intact?	(Yes)	No					
14. Suffic	ient sample	amount for i	(Yes)	No					
15. All sa	mples rece	ived within su	(Yes)	No					
16. Subc	ontract of s	ample(s)?	Yes	No	N/A				
17. Voc s	sample have	e zero head s	Yes	No	N/A				
18. Coole	er 1 No.	Cooler 2 No.	Cooler 4	No.	Cooler 5 No.				
lbs	410°C	lbs	°C	Ibs	°C	lbs	°C	Ibs	°C
1	1-4	1			cumentation			1	
Contact			Contacted b	y:	***	_Date/Tim	ne:		
Regardi	ng:								
Correcti	ve ActionTa	ken:							

Check all that apply:

Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.

☐ Client understands and would like to proceed with analysis

□.Initial and Backup Temperature confirm out of temperature conditions