

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

3/11/2016

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210	State of New Mexico Energy Minerals and Natural Re	sources	Re	Form C-14 vised October 10, 200			
1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 8740G 0 4 2010 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 BSOCD	Oil Conservation Divisio	on	Submit 2 Copies to approp District Office in accorda with Rule 116 on 1 side of f				
Delese	1° A 1°						
Releas	e Notification and Corre	ective Action					
Releas	OPERATOR	ective Action	Initial Report	Final Repo			
		ective Action	Initial Report	Final Repo			
Name of Company	OPERATOR		Initial Report	S Final Repo			
Name of Company	OPERATOR OGRID Number Contact		Initial Report	Final Repo			
	OPERATOR	ctive Action	Initial Report	Final Rej			

Surface Owner	Mineral Owner	Lease No.	
Fee	State	V-5875	

Well

API Number

30-025-38888

Facility Type

LOCATION OF RELEASE

Unit LetterSectionTownshipRangJ1412S34E	Feet from the North/Sout 1650 South	County Lea

Latitude 33.27584 Longitude 103.47870

NATURE	OF RELEASE					
Type of Release	Volume of Release	Volume Recovered				
Oil & Produced Water	2 B/O & 5 B/PW	0 B/O & 0 B/PW				
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery				
Well head	4/25/2010, AM	4/25/2010, AM				
Was Immediate Notice Given?	If YES, To Whom?					
Yes No X Not Required	N/A					
By Whom?	Date and Hour					
N/A	N/A					
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	atercourse.				
🗌 Yes 🖾 No	N/A					
If a Watercourse was Impacted, Describe Fully.* N/A						
Describe Cause of Problem and Remedial Action Taken.*						
Packing blew out at the wellhead causing release. Backhoe crew called						
Describe Area Affected and Cleanup Action Taken.*						
An approximate area of 50' X 75'. A backhoe scraped up impacted soils,						
samples will be taken and analysis ran for TPH & BTEX (chlorides for do						
Final Report, C-141 will be submitted to the OCD requesting closure. If the						
submitted to the OCD. Depth to Ground Water: 50-99' (approx. 65', S						
Wellhead Protection Area: No, Distance to Surface Water Body: >100	0', SITE RANKING IS 10. Based	on analytical results, impacted soils				
excavated/hauled, Yates Petroleum Corporation requests closure.		· · · · · · · · · · · · · · · · · · ·				
I hereby certify that the information given above is true and complete to the						
regulations all operators are required to report and/or file certain release no						
public health or the environment. The acceptance of a C-141 report by the						
should their operations have failed to adequately investigate and remediate		ground water, surface water, human health				
or the environment. In addition, NMOCD acceptance of a C-141 report de	bes not reliev					
federal, state, or local laws and/or regulations.	We loo					
\sim		PROVED				
Signature:						
	Approved by					
Printed Name: Robert Asher	tpp://tea.oj					
	0114					
Title: Environmental Regulatory Agent	Approval Date: 311116	Expiration Date:				
E mail Address habe@usternaturaloum.com	Conditions of Approval:					
E-mail Address: boba@yatespetroleum.com	Conditions of Approval:	Attached 🗌				
Date: Monday, August 02, 2010 Phone: 575-748-4217	IRP-	IRI 4212				
Attach Additional Sheets If Necessary						

* Attach Additional Sheets If Necessary

Facility Name Orbison BON State Com. #2

NATURE OF RELEASE

MARTIN YATES, III

FRANK W. YATES

5.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. PRESIDENT

SCOTT M. YATES

JAMES S. BROWN CHIEF OPERATING OFFICER

JOHN D. PERINI CHIEF FINANCIAL OFFICER

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.

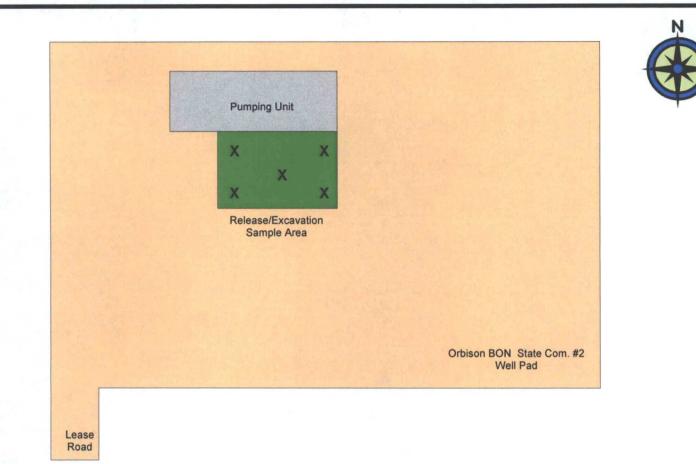
If you have any questions, please call me at 575-748-4217.

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
Comp-00,5	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



AUG 0 4 2010

HOBBSOCD



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,

AMA

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

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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

	Lab Id:	382076-001	
Auducia Damardad	Field Id:	GS/Comp-00.5	
naisanhay sistinuy	Depth:	6-6 In	
	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	

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 judgement 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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			Laboratory Comments: NOCS Free of Headspace?	ner(s)	Time Sample Hand Delivered by Sampler/Client Rep. 7 by Courier? UPS DHL FedEy Lone Star	7/1/10 9:28 Temperature Upon Receipt: 2.6 °C
				Date	Date	Date 7/1/10
			TPH: 8015B, BTEX: 8021B & Chlorides. ALL results in mg/kg. Thank you.	Received by:	Received by:	Received by ELOT
			X: 8021B	Time 2:21 PM	Time	Time
			1: 8015B, BTE	Date 07/16/10	Date	Date
	PLEASE PUT CHLORIDES	ON SEPARATE REPORT		Relinquished by: Propert Asher ALAL UPC	*	Relinquished by:



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

Date/Time:	7/17/10 9:28
Lab ID # :	382074/382077

Sample Receipt Checklist

		The second	· · · · · · · · · · · · · · · · · · ·	
1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	Yes	No	None	1
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	1. S. S. S.
4. Chain of Custody present?	Yes	No		
5. Sample instructions complete on chain of custody?	Yes	No		1991 - 1997 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 -
6. Any missing / extra samples? 5(4)(7)	19 190	No	a server and	et es ser presidente de la
7. Chain of custody signed when relinquished / received?	Yes	No		en statis
8. Chain of custody agrees with sample label(s)?	Yes	No		
9. Container labels legible and intact?	Yes	No	1	
10. Sample matrix / properties agree with chain of custody?	Yes	No		and the second
11. Samples in proper container / bottle?	Yes	No		n or church
12. Samples properly preserved?	(es)	No	N/A	9 C C 2
13. Sample container intact?	Yes	No		5
14. Sufficient sample amount for indicated test(s)?	Ves	No		
15. All samples received within sufficient hold time?	A	No		
16. Subcontract of sample(s)?	Yes	No	(NIA)	
17. VOC sample have zero head space?	Kes	No	N/A	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 N	0.	Cooler 5 No.	
Ibs 2.6 °C Ibs °C Ibs °C	lbs	°(lbs	°C

Nonconformance Documentation

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)

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Final 1.000





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,

BOTA

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



Project Id: 30-025-38888 Contact: Robert Asher Project Location: Lea County

Certificate of Analysis Summary 382077 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

			Project Manager: Dient Darron, IL	
	Lab Id:	382077-001		
Audicie Dogustad	Field Id:	GS/Comp-00.5		
naicanhan cistimur	Depth:	6-6 In		
	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		

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This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. In interpretations and results expressed throughout this anylvital report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no varranty 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

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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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

Final 1.000

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST	Phone: 432-563-1800 Fax: 432-563-1713
CHAIN OF CUSTODY RE	12600 West I-20 East Odessa, Texas 79765

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XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist Document No.: SYS-SRC Revision/Date: No. 01, 5/27/2010 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Date/Time:	7/17/10 9:28
Lab ID # :	382074/382077

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No		
2. Shipping container in good condition?	Yes	No	None		
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	1.11	
4. Chain of Custody present?	Yes	No			
5. Sample instructions complete on chain of custody?	Yes	No	4.100	1972	
6. Any missing / extra samples? 544	19 199	(No)	and parts of a second		
7. Chain of custody signed when relinquished / received?	Yes	No			
8. Chain of custody agrees with sample label(s)?	Yes	No		esta a series	
9. Container labels legible and intact?	Yes	No	1 1 1 1 1		
10. Sample matrix / properties agree with chain of custody?	Yes	No		mantente	
11. Samples in proper container / bottle?	Yes	No		an pansi i a	
12. Samples properly preserved?	(es)	No	N/A	and the second	
13. Sample container intact?	Yes	No		1.1.1	
14. Sufficient sample amount for indicated test(s)?	Ves	No			
15. All samples received within sufficient hold time?	A	No			
16. Subcontract of sample(s)?	Yes	No	(NIA)		
17. VOC sample have zero head space?	Ves	No	N/A		
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4 No	b .	Cooler 5 No.		
Ibs 2.6 °C Ibs °C Ibs °C	lbs	°(lbs	°C	

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: ______ Regarding: ______ Corrective Action Taken: ______ 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 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.

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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,

DAN

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 Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-00.5	S	May-20-10 11:15	6 - 6 In	373910-001

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: None

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



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	Brent Barron, II	
	Lab Id:	373910-001			
Andreic Donnoted	Field Id:	GS/Comp-00.5			
naisanhaw sistimus	Depth:	6-6 In			
	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 juggment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the rend 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

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- 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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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

Client: 71.10 Date/Time: 2 13903 Lab ID #: AI Initials:

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	1
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No	an an an an	alaman in 17 militian
7. Chain of custody signed when relinquished / received?	Yes	No		
8. Chain of custody agrees with sample lable(s)?	Yes	No	8.00	-
9. Container labels legible legible and intact?	Yes	No	1	de sono
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	Sec. 1
13. Sample container intact?	Yes	No		6. G
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	No	N/A)	
17. Voc sample have zero head space?	(Yes)	No	N/A	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4	No.	Cooler 5	No.
Ibs 4.6°C Ibs °C Ibs °C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact:

Contacted by:_____Date/Time:____

Regarding:

Corrective ActionTaken:

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 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)

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: 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.

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. 373908 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,

BOND

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



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

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

Project Manager: Brent Barron, II 27-MAY-10 Report Date: 1.00 15.5 15.5 15.5 RL ND 0.0010 ND 0.0021 ND 0.0010 ND 0.0010 ND 0.0010 ND 0.0010 RL RL ND 0.0021 May-26-10 17:42 May-21-10 17:00 May-21-10 10:30 May-21-10 19:11 May-26-10 10:30 May-20-10 11:15 GS/Com-00.5 373908-001 6-6 In SOIL 23.4 3.45 1880 1903 mg/kg mg/kg % Lab Id: Depth: Matrix: Field Id: Analyzed: Sampled: Extracted: Analyzed: Units/RL: Analyzed: Units/RL: Extracted: Extracted: Units/RL: BTEX by EPA 8021 TPH by SW 8015B C6-C10 Gasoline Range Hydrocarbons **Percent Moisture** C10-C28 Diesel Range Hydrocarbons Analysis Requested Percent Moisture Xylenes, Total Ethylbenzene m,p-Xylenes Total BTEX Total TPH o-Xylene Toluene Benzene

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 judgement of XENCO Laboratorics. XENCO Laboratorics 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

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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.
- The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated. E
- RPD exceeded lab control limits. F
- 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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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

Client:	lates Pet	roleum
Date/Time:	5.21.10	9:55
Lab ID #:	313908 /	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	1744-1944
4. Chain of Custody present?	Yes	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No		de construction de
7. Chain of custody signed when relinquished / received?	Yes	No	- × -	- 61 - 52 - 61
8. Chain of custody agrees with sample lable(s)?	Yes	No		2.4
9. Container labels legible legible and intact?	Yes	No		e e Netro e
10. Sample matrix / properties agree with chain of custody?	Yes	No		
11. Samples in proper container / bottle?	Yes	No		1.1
12. Samples properly preserved?	Yes	No	N/A	
13. Sample container intact?	(Yes)	No		1
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		1. F
16. Subcontract of sample(s)?	Yes	No	N/A)	
17. Voc sample have zero head space?	Yes	No	N/A	
18. Cooler 1 No. Cooler 2 No. Cooler 3 No.	Cooler 4	No.	Cooler 5	No.
Ibs 4.6°C Ibs °C Ibs °C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact:

Contacted by:_____Date/Time:___

Regarding: _

Corrective ActionTaken:

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