

District I
1625 N. French Dr., Hobbs, NM 88201
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

AUG 23 2010
HOBBSOCD

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street		Telephone No. 575-748-1471
Facility Name Bilbrey SWD #1	API Number 30-025-27620	Facility Type Battery

Surface Owner Federal	Mineral Owner Federal	Lease No. NM-105220
--------------------------	--------------------------	------------------------


LOCATION OF RELEASE

Unit Letter B	Section 5	Township 22S	Range 32E	Feet from the 660	North/South Line North	Feet from the 1980	East/West Line East	County Lea
------------------	--------------	-----------------	--------------	----------------------	---------------------------	-----------------------	------------------------	---------------

Latitude 32.42597 Longitude 103.69426

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 30 B/PW	Volume Recovered 0 B/PW
Source of Release Water valve on pump	Date and Hour of Occurrence 6/18/2010 - AM	Date and Hour of Discovery 6/18/2010 - AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Johnson, NMOCD District I	
By Whom? Robert Asher, Yates Petroleum Corporation	Date and Hour 6/18/2010 (Voice mail & E-mail)	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* A 1" water valve blew out on an 8" poly line. Vacuum truck called.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 125' X 12', inside berm and outside berm. Repairs made. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approx. 280', per the NM Office of the State Engineer); Wellhead Protection Area: No; Distance to Surface Water Body: >1000'; SITE RANKING IS 0. Based on analytical results (below RRAL's for site ranking) and depth to ground water, Yates Petroleum Corporation is requesting closure.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Robert Asher		Approved by District Supervisor:	
Title: Environmental Regulatory Agent		Approval Date:	Expiration Date:
E-mail Address: boba@yatespetroleum.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: Thursday, August 19, 2010 Phone: 575-748-4217		1RP-	

* Attach Additional Sheets If Necessary

MARTIN YATES, III

1912-1985

FRANK W. YATES

1936-1986

S.P. YATES

1914-2008



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (575) 748-1471

JOHN A. YATES
CHAIRMAN OF THE BOARD

JOHN A. YATES JR.
PRESIDENT

SCOTT M. YATES
VICE PRESIDENT

JAMES S. BROWN
CHIEF OPERATING OFFICER

JOHN D. PERINI
CHIEF FINANCIAL OFFICER

August 19, 2010

Mr. Larry Johnson
NMOCD District I
1625 French Drive
Hobbs, NM 88240

RECEIVED

AUG 23 2010

HOBBSOCD

RE: Bilbrey SWD #1
30-025-27620
Section 5, T22S-R32E
Lea County, New Mexico

Dear Mr. Johnson,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on June 18, 2010 (30 bbls of produced water with 0 bbls of produced water recovered). The cause of the release was from a water valve failure on a 8" poly line. Samples were taken on July 20, 2010 and August 4, 2010; these were sent for analysis (TPH, BTEX and chlorides for documentation) at an NMOCD approved laboratory. The results for BTEX and Total TPH are below the RRAL's for the site ranking of zero (0) and depth to ground water is recorded at 280' per the New Mexico Office of the State Engineer. Based on enclosed analytical sampling results (analytical results for water from battery for chloride content are also enclosed) and depth to ground water, Yates Petroleum Corporation requests closure. **Please note that Yates Petroleum Corporation finds, based on analytical results that there is no correlation between the chloride content of the produced water from the battery and the chloride content in the soil samples.**

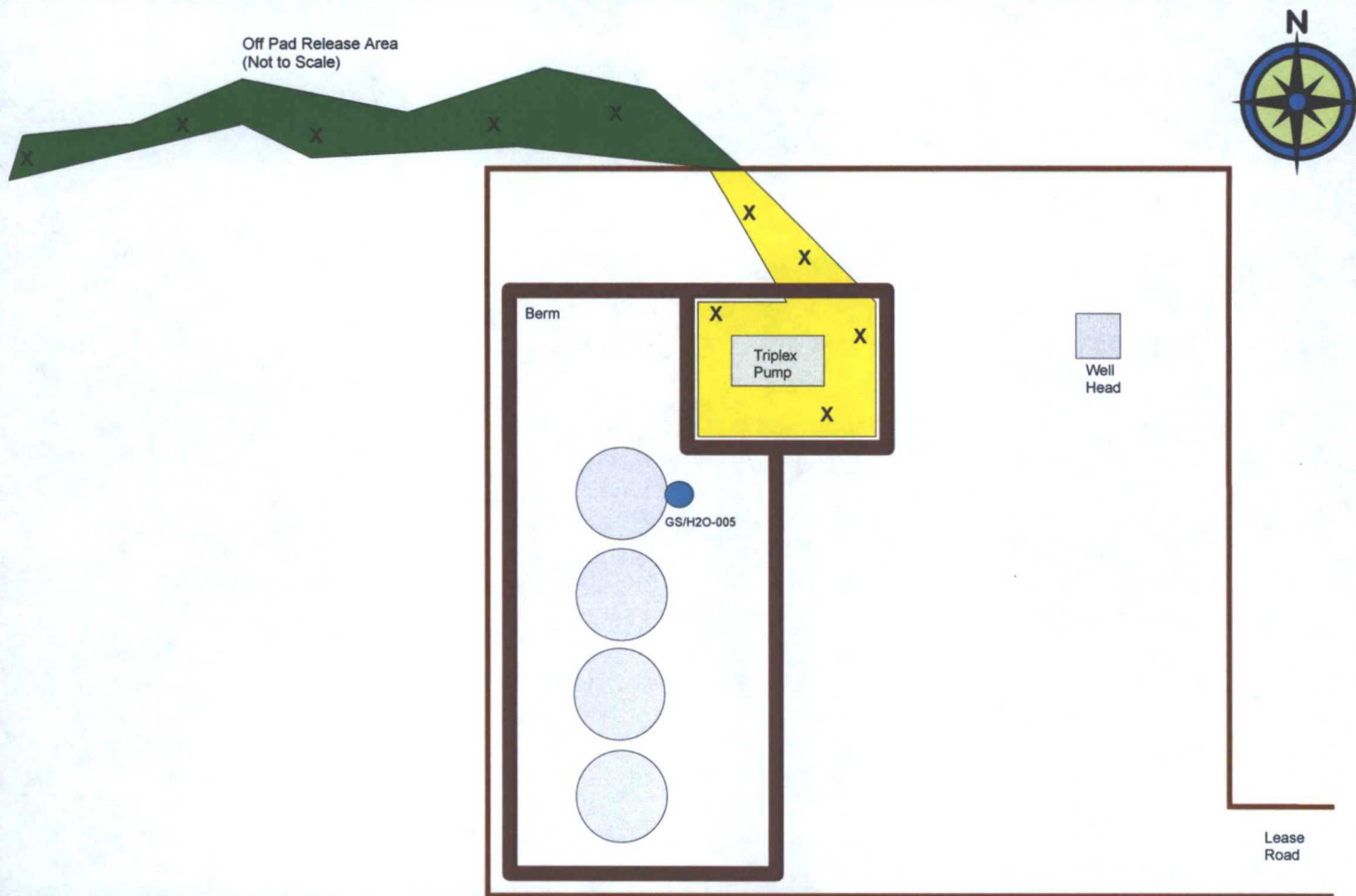
If you have any questions, please call me at 575-748-4217.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher
Environmental Regulatory Agent

/rca
Enclosure(s)



Sample ID	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-01.0-P	Pad	7/20/2010	Grab/Auger	12"	ND	ND	ND	ND	3160
Comp-02.0-P	Pad	7/20/2010	Grab/Auger	24"	ND	ND	ND	ND	122
Comp-03.0-P	Pad	7/20/2010	Grab/Auger	36"	ND	ND	ND	ND	336
Sample ID	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-01.0-OP	Off Pad	7/20/2010	Grab/Auger	12"	ND	ND	ND	ND	8.01
Comp-02.0-OP	Off Pad	7/20/2010	Grab/Auger	24"	ND	ND	ND	ND	1120
Comp-03.0-OP	Off Pad	7/20/2010	Grab/Auger	36"	ND	ND	ND	ND	1120
Comp-04.0-OP	Off Pad	8/4/2010	Grab/Auger	48"					1150
Comp-05.0-OP	Off Pad	8/4/2010	Grab/Auger	60"					1330
Sample ID	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
GS/H2O-005	Battery Area	6/27/2007	Grab	N/A	ND	N/A	N/A	N/A	262000

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 280' per NMOSE).

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



Bilbrey SWD #1

30-025-27620

Section 5, T22S-R32E

Lea County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco: #285189, 7/6/2007

Xenco: #382769 & #382771, 8/5/2010

Xenco: #384451, 8/10/2010

Prepared by Robert Asher
Environmental Regulatory Agent

Analytical Report 384451

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Bilbrey SWD #1

30-025-27620

10-AUG-10

RECEIVED

AUG 23 2010

HOBBSOCD



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-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)

10-AUG-10

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

RECEIVED

AUG 29 2010

HOBBSOCD

Reference: XENCO Report No: **384451**
Billbrey SWD #1
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 384451. 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. 384451 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,



Brent Barron, II

Odessa Laboratory Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.**Certified and approved by numerous States and Agencies.**A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Sample Cross Reference 384451**Yates Petroleum Corporation, Artesia, NM**

Bilbrey SWD #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-04.0-OP	S	Aug-04-10 10:34	4 ft	384451-001
Comp-05.0-OP	S	Aug-04-10 10:55	5 ft	384451-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Bilbrey SWD #1



Project ID: 30-025-27620

Work Order Number: 384451

Report Date: 10-AUG-10

Date Received: 08/05/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-817728 Percent Moisture

None

Batch: LBA-818183 Anions in Soil By EPA 300.0

None

Certificate of Analysis Summary 384451

Yates Petroleum Corporation, Artesia, NM

Project Name: Bilbrey SWD #1



Project Id: 30-025-27620

Contact: Robert Asher

Project Location: Lea County

Date Received in Lab: Thu Aug-05-10 10:35 am

Report Date: 10-AUG-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	384451-001	384451-002				
	Field Id:	Comp-04.0-OP	Comp-05.0-OP				
	Depth:	4- ft	5- ft				
	Matrix:	SOIL	SOIL				
	Sampled:	Aug-04-10 10:34	Aug-04-10 10:55				
Anions in Soil By EPA 300.0	Extracted:						
	Analyzed:	Aug-09-10 17:57	Aug-09-10 17:57				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		1150 18.5	1330 22.3				
Percent Moisture	Extracted:						
	Analyzed:	Aug-06-10 08:37	Aug-06-10 08:37				
	Units/RL:	% RL	% RL				
Percent Moisture		9.36 1.00	6.04 1.00				

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

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

 A handwritten signature in black ink.

Brent Barron, II
 Odessa Laboratory Manager

Flagging Criteria

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

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

* Outside XENCO's scope of NELAC Accreditation.

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Corpus Christi - Midland/Odessa - Tampa - Miami - Latin America

	Phone	Fax
4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd, Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Fax: 432-563-1713

Project Name: Bilbrey SWD #1

Project #: 30-025-27620

Project Loc: Lea County

PO #: 105632

Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: boba@yatespetroleum.com

ORDER #: 38445

Special Instructions: Chlorides ONLY. ALL results in mg/kg. Thank you.

Laboratory Comments:

VOCs Free of Headspace?

Custody seals on container(s)

Sample Hand Delivered

by Courier? ☐ UPS ☐ DHL ☒ FedEx ☐ Lone Star

Temperature Upon Receipt:

23.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Asher <i>ecolypc</i>	08/04/10	2:44 PM	<i>Bello Rahman</i>	8-5-10	10:35
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

**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-InClient: Yates PetroleumDate/Time: 8-5-10 10:35Lab ID #: 384451Initials: BR / A**Sample Receipt Checklist**

1. Samples on ice?	Blue	Water	<u>No</u>	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>23.0</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature 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 382771

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Bilbrey SWD # 1

30-025-27620

30-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)

30-JUL-10

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

Reference: XENCO Report No: **382771**
Bilbrey SWD # 1
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 382771. 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. 382771 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,



Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Sample Cross Reference 382771**Yates Petroleum Corporation, Artesia, NM**

Bilbrey SWD # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-01.0-P	S	Jul-20-10 09:08	1 - 1 ft	382771-001
Comp-02.0-P	S	Jul-20-10 09:15	2 - 2 ft	382771-002
Comp-03.0-P	S	Jul-20-10 09:23	3 - 3 ft	382771-003
Comp-01.0-OP	S	Jul-20-10 09:52	1 - 1 ft	382771-004
Comp-02.0-OP	S	Jul-20-10 10:04	2 - 2 ft	382771-005
Comp-03.0-OP	S	Jul-20-10 10:15	3 - 3 ft	382771-006



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Bilbrey SWD # 1



Project ID: 30-025-27620

Work Order Number: 382771

Report Date: 30-JUL-10

Date Received: 07/23/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-816016 Percent Moisture

None

Batch: LBA-816151 Anions in Soil By EPA 300.0

E300MI

Batch 816151, Chloride RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 382771-001, -002, -005, -003, -004, -006.

E300MI

Batch 816151, Chloride recovered above QC limits in the Matrix Spike.

Samples affected are: 382771-001, -002, -005, -003, -004, -006.

Certificate of Analysis Summary 382771

Yates Petroleum Corporation, Artesia, NM

Project Name: Bilbrey SWD # 1



Project Id: 30-025-27620

Contact: Robert Asher

Project Location: Lea County

Date Received in Lab: Fri Jul-23-10 10:00 am

Report Date: 30-JUL-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	382771-001	382771-002	382771-003	382771-004	382771-005	382771-006
	<i>Field Id:</i>	Comp-01.0-P	Comp-02.0-P	Comp-03.0-P	Comp-01.0-OP	Comp-02.0-OP	Comp-03.0-OP
	<i>Depth:</i>	1-1 ft	2-2 ft	3-3 ft	1-1 ft	2-2 ft	3-3 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jul-20-10 09:08	Jul-20-10 09:15	Jul-20-10 09:23	Jul-20-10 09:52	Jul-20-10 10:04	Jul-20-10 10:15
Anions in Soil By EPA 300.0	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00	Jul-26-10 14:00
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		3160 44.6	122 9.12	336 8.80	8.01 4.44	1120 23.4	1120 23.3
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		5.77 1.00	7.86 1.00	4.51 1.00	5.35 1.00	10.2 1.00	10.0 1.00

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

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

 Brent Barron, II
 Odessa Laboratory Manager

Flagging Criteria

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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Corpus Christi - Midland/Odessa - Tampa - Miami - Latin America

	Phone	Fax
4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

**XENCO Laboratories**

Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

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

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

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum
Date/Time: 7.23.10 10:00
Lab ID #: 382769 / 382771
Initials: JG / AL

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>4.0</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature 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 382769

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Bilbery SWD # 1

30-025-27620

30-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)

30-JUL-10

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

Reference: XENCO Report No: **382769**
Bilbery SWD # 1
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 382769. 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. 382769 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,



Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Yates Petroleum Corporation, Artesia, NM

Bilbery SWD # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-01.0-P	S	Jul-20-10 09:08	1 - 1 ft	382769-001
Comp-02.0-P	S	Jul-20-10 09:15	2 - 2 ft	382769-002
Comp-03.0-P	S	Jul-20-10 09:23	3 - 3 ft	382769-003
Comp-01.0-OP	S	Jul-20-10 09:52	1 - 1 ft	382769-004
Comp-02.0-OP	S	Jul-20-10 10:04	2 - 2 ft	382769-005
Comp-03.0-OP	S	Jul-20-10 10:15	3 - 3 ft	382769-006



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Bilbery SWD # 1



Project ID: 30-025-27620
Work Order Number: 382769

Report Date: 30-JUL-10
Date Received: 07/23/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-816016 Percent Moisture

None

Batch: LBA-816045 TPH by SW 8015B
SW8015B_NM

Batch 816045, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 382769-005.

Batch: LBA-816669 BTEX by EPA 8021
SW8021BM

Batch 816669, Benzene recovered below QC limits in the Matrix Spike. Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 382769-005, -001, -003, -002, -004, -006.

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

Project Id: 30-025-27620

Contact: Robert Asher

Project Location: Lea County

Date Received in Lab: Fri Jul-23-10 10:00 am

Report Date: 30-JUL-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	382769-001	382769-002	382769-003	382769-004	382769-005	382769-006
	<i>Field Id:</i>	Comp-01.0-P	Comp-02.0-P	Comp-03.0-P	Comp-01.0-OP	Comp-02.0-OP	Comp-03.0-OP
	<i>Depth:</i>	1-1 ft	2-2 ft	3-3 ft	1-1 ft	2-2 ft	3-3 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jul-20-10 09:08	Jul-20-10 09:15	Jul-20-10 09:23	Jul-20-10 09:52	Jul-20-10 10:04	Jul-20-10 10:15
BTEX by EPA 8021	<i>Extracted:</i>	Jul-24-10 15:45	Jul-24-10 15:45	Jul-24-10 15:45	Jul-24-10 15:45	Jul-24-10 15:45	Jul-24-10 15:45
	<i>Analyzed:</i>	Jul-28-10 07:27	Jul-28-10 07:50	Jul-28-10 08:12	Jul-28-10 08:37	Jul-28-10 08:59	Jul-28-10 09:22
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		ND 0.0011	ND 0.0011	ND 0.0010	ND 0.0011	ND 0.0011	ND 0.0011
Toluene		ND 0.0021	ND 0.0022	ND 0.0021	ND 0.0021	ND 0.0022	ND 0.0022
Ethylbenzene		ND 0.0011	ND 0.0011	ND 0.0010	ND 0.0011	ND 0.0011	ND 0.0011
m,p-Xylenes		ND 0.0021	ND 0.0022	ND 0.0021	ND 0.0021	ND 0.0022	ND 0.0022
o-Xylene		ND 0.0011	ND 0.0011	ND 0.0010	ND 0.0011	ND 0.0011	ND 0.0011
Xylenes, Total		ND 0.0011	ND 0.0011	ND 0.0010	ND 0.0011	ND 0.0011	ND 0.0011
Total BTEX		ND 0.0011	ND 0.0011	ND 0.0010	ND 0.0011	ND 0.0011	ND 0.0011
Percent Moisture	<i>Extracted:</i>	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00
	<i>Analyzed:</i>	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00	Jul-23-10 17:00
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		5.77 1.00	7.86 1.00	4.51 1.00	5.28 1.00	10.2 1.00	10.0 1.00
TPH by SW 8015B	<i>Extracted:</i>	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30	Jul-23-10 14:30
	<i>Analyzed:</i>	Jul-23-10 18:49	Jul-23-10 19:19	Jul-23-10 19:49	Jul-23-10 20:19	Jul-23-10 20:48	Jul-23-10 21:17
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C10 Gasoline Range Hydrocarbons		ND 15.8	ND 16.3	ND 15.7	ND 15.8	ND 16.6	ND 16.6
C10-C28 Diesel Range Hydrocarbons		ND 15.8	ND 16.3	ND 15.7	ND 15.8	ND 16.6	ND 16.6
Total TPH		ND 15.8	ND 16.3	ND 15.7	ND 15.8	ND 16.6	ND 16.6

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


 Brent Barron, II
 Odessa Laboratory Manager

Flagging Criteria

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

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

PQL Practical Quantitation Limit

* Outside XENCO's scope of NELAC Accreditation.

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Corpus Christi - Midland/Odessa - Tampa - Miami - Latin America

	Phone	Fax
4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

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

Project Manager: Robert Asher

Project Name: **Bilbrey SWD #1**

Company Name: Yates Petroleum Corporation

Project #: 30-025-27620

Company Address: 105 South 4th Street

Project Loc: Lea County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *Robert Asher*

e-mail: boba@yatespetroleum.com

(lab use only)

ORDER #: 382769/382771

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8016	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
01	Comp-01.0-P	1'	1'	7/20/2010	9:08 AM		1	X								S	X							X							X
02	Comp-02.0-P	2'	2'	7/20/2010	9:15 AM		1	X								S	X							X							X
03	Comp-03.0-P	3'	3'	7/20/2010	9:23 AM		1	X								S	X							X							X
04	Comp-01.0-OP	1'	1'	7/20/2010	9:52 AM		1	X								S	X							X							X
05	Comp-02.0-OP	2'	2'	7/20/2010	10:04 AM		1	X								S	X							X							X
06	Comp-03.0-OP	3'	3'	7/20/2010	10:15 AM		1	X								S	X							X							X
	PLEASE PUT CHLORIDES																														
	ON SEPARATE REPORT																														

Special Instructions: TPH 8015M, BTEX 8021B & Chlorides. ALL results in mg/kg. Thank you.

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Custody seals on cooler(s)?

Sample Hand Delivered

by Sampler/Client Rep. ?

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 4.0 °C

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Asher <i>ECM/UPC</i>	07/22/10	11:46 AM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: <i>Fedex</i>	Date	Time	Received by: <i>ELOT:</i>	Date	Time
			<i>Paul G. G. G.</i>	7/23/10	10:00

**XENCO Laboratories**

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

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

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

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum
Date/Time: 7.23.10 10:00
Lab ID #: 382769 / 382771
Initials: JG / AL

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>4.0</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature 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 285189

for

Yates Petroleum Corporation

RECEIVED

AUG 23 2010

HOBBSOCD

Project Manager: Robert Asher

Bilbrey SWD # 1

30-025-27620

06-JUL-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

NELAC certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



06-JUL-07

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

Reference: XENCO Report No: **285189**
Bilbrey SWD # 1
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 285189. 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. 285189 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

Odessa Laboratory Director

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



Sample Cross Reference 285189



Yates Petroleum Corporation, Artesia, NM

Bilbrey SWD # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Jun-27-07 09:52		285189-001
GS/Comp-002	S	Jun-27-07 10:06		285189-002
GS/Comp-003	S	Jun-27-07 10:20		285189-003
GS/Comp-004	S	Jun-27-07 10:34		285189-004
GS/H2O-005	W	Jun-27-07 10:44		285189-005



Certificate of Analysis Summary 285189

Yates Petroleum Corporation, Artesia, NM

Project Name: Bilbrey SWD # 1



Project Id: 30-025-27620

Contact: Robert Asher

Project Location: Lea County

Date Received in Lab: Fri Jun-29-07 10:45 am


Report Date: 06-JUL-07

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:					285189-005	
	Field Id:					GS/H2O-005	
	Depth:						
	Matrix:					WATER	
	Sampled:					Jun-27-07 10:44	
BTEX by EPA 8021B	Extracted:						
	Analyzed:						
	Units/RL:						
Benzene							
Toluene							
Ethylbenzene							
m,p-Xylene							
o-Xylene							
Total Xylenes							
Total BTEX							
Inorganic Anions by EPA 300	Extracted:						
	Analyzed:					Jul-03-07 14:14	
	Units/RL:					mg/L RL	
Chloride						262000 5000	
Percent Moisture	Extracted:						
	Analyzed:						
	Units/RL:						
Percent Moisture							
TPH by SW 8015B	Extracted:						
	Analyzed:						
	Units/RL:						
C6-C10 Gasoline Range Hydrocarbons							
C10-C28 Diesel Range Hydrocarbons							

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.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America


Brent Barron
Odessa Laboratory Director



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.

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

11381 Meadowglen Lane Suite L Houston, Tx 77082-2647
9701 Harry Hines Blvd , Dallas, TX 75220
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

Phone	Fax
(281) 589-0692	(281) 589-0695
(214) 902 0300	(214) 351-9139
(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: Bilbrey SWD #1

Project #: 30-025-27620

Project Loc: Lea County

PO #: 105632

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

ORDER #: 285184						Preservation & # of Containers							Matrix																
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	HAcOH	H ₂ S O	Nitric	Other (Specify)	DW/Drinking Water SLUDGE GW - Groundwater Seepage N/A=Not-Applicable Specify Other	1PH	A181	8013M	8015B	TPH	TX	TX	TX	TX	Cations (Ca Mg Na K) Anions (Cl SO ₄ Ammonia) SAR / ESP / CEC Metals As Ag Bi Cd Cr Cu Pb Ni Se Volatiles Semivolatiles RTEC M22MB-300 or BTEX R202 RO NORM Chlorides	RUSH TAT Pre-Schedule 24, 48, 72 Exceeding TAT		
01	GS/Comp-001	1'	1'	6/27/2007	9:52 AM	1	X									S	X											X	
02	GS/Comp-002	2'	2'	6/27/2007	10:06 AM	1	X									S	X										X		X
03	GS/Comp-003	1'	1'	6/27/2007	10:20 AM	1	X									S	X										X		X
04	GS/Comp-004	2'	2'	6/27/2007	10:34 AM	1	X									S	X										X		X
05	GS/H2O-005	NA	NA	6/27/2007	10:44 AM	1	X									NP											X		X

Special Instructions: TPH: 8015B; BTEX: 8021B; Chlorides. Show BTEX results in mg/kg Thank you.						Laboratory Comments:							
Relinquished by: <i>Real/URC</i>						Date: 06/28/07	Time: 1:12 PM	Received by:		Date:	Time:	Sample Containers Intact?	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	VOCs Free of Headspace?	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	Labels on container(s)?	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	Custody seals on container(s)?	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	Custody seals on cooler(s)?	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	Sample Hand Delivered	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	by Sampler/Client Rep?	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	by Courier?	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	UPS	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	DHL	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	FedEx	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	Lone Star	N
Relinquished by: <i>Real/URC</i>						Date:	Time:	Received by:		Date:	Time:	Temperature Upon Receipt:	100 °C

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: lates
Date/ Time: 6-29-07 10:45
Lab ID #: 283189
Initials: AL

Sample Receipt Checklist

				Client Initials	
#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>10</u> °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELOT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	<u>Yes</u>	No	Not Applicable	
#20	VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event