

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2119557775
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD)
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 33.27584 Longitude -103.47870
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Orbison BON State Com #2	Site Type Well
Date Release Discovered 2/24/2010	API# (if applicable) 30-025-38888

Unit Letter	Section	Township	Range	County
J	14	12S	34E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 2	Volume Recovered (bbls) 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 8
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Flow line froze, causing a release at the wellhead.

Per request from Bradford Billings, Orbison BON State Com #2 (1RP-2447) is being resubmitted for Closure on the updated C-141 Form.


State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.	
Printed Name: <u>Chase Settle</u> Signature: <u></u> email: <u>Chase_Settle@eogresources.com</u>	Title: <u>Rep Safety & Environmental Sr</u> Date: <u>7/14/2021</u> Telephone: <u>575-748-1471</u>
<u>OCD Only</u> Received by: _____ Date: _____	

State of New Mexico
Oil Conservation Division

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	65 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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Printed Name: _____ Title: _____
Signature: _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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Oil Conservation Division

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety and Environmental Sr

Signature:  Date: 07/14/2021

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

Per request from Bradford Billings, Orbison BON State Com #2 (1RP-2447) is being resubmitted for Closure on the updated C-141 Form.

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 07/15/2021

Printed Name: Bradford Billings Title: Envi.Spec.A

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

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CHIEF FINANCIAL OFFICER

August 3, 2010

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

Re: Orbison BON State Com. #2
1RP-2447
30-025-38888
Section 14, T12S-R34E
Lea County, New Mexico

Dear Mr. Leking,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on February 24, 2010 (approximately 2 bbls of oil and 10 bbls of produced water released with 1bbl of oil and 8 bbls produced water being recovered). The release was from a poly flow line (line froze and ruptured). Samples were taken on 3/25/2010 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 and hauled to an NMOCD approved facility. In-place remediation in the corrective action plan submitted to your office on 1/29/2010 outlining the application of nitrogen fertilizer and water. The in-place remediation was conducted with a total of three (3) applications of fertilizer, microblaze and water. Samples were taken on 7/15/2010 and sent to an NMOCD approved laboratory for analysis (chlorides for documentation), based on results (enclosed with a sample diagram), the levels of TPH & BTEX are below RRAL's for the site ranking of (10) ten (chlorides for documentation). Based on analytical results, impacted soils excavated/hauled and in-place remediation; Yates Petroleum Corporation requests closure. Clean material will be purchased and 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)

MAILED
8/3/2010

KATHY H. PORTER
SECRETARY

DENNIS G. KINSEY
TREASURER

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

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 Orbison BON State Com. #2	API Number 30-025-38888	Facility Type Well

Surface Owner Fee	Mineral Owner State	Lease No. V-5875
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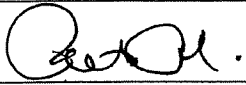
LOCATION OF RELEASE

Unit Letter J	Section 14	Township 12S	Range 34E	Feet from the 1650	North/South Line South	Feet from the 1980	East/West Line East	County Lea
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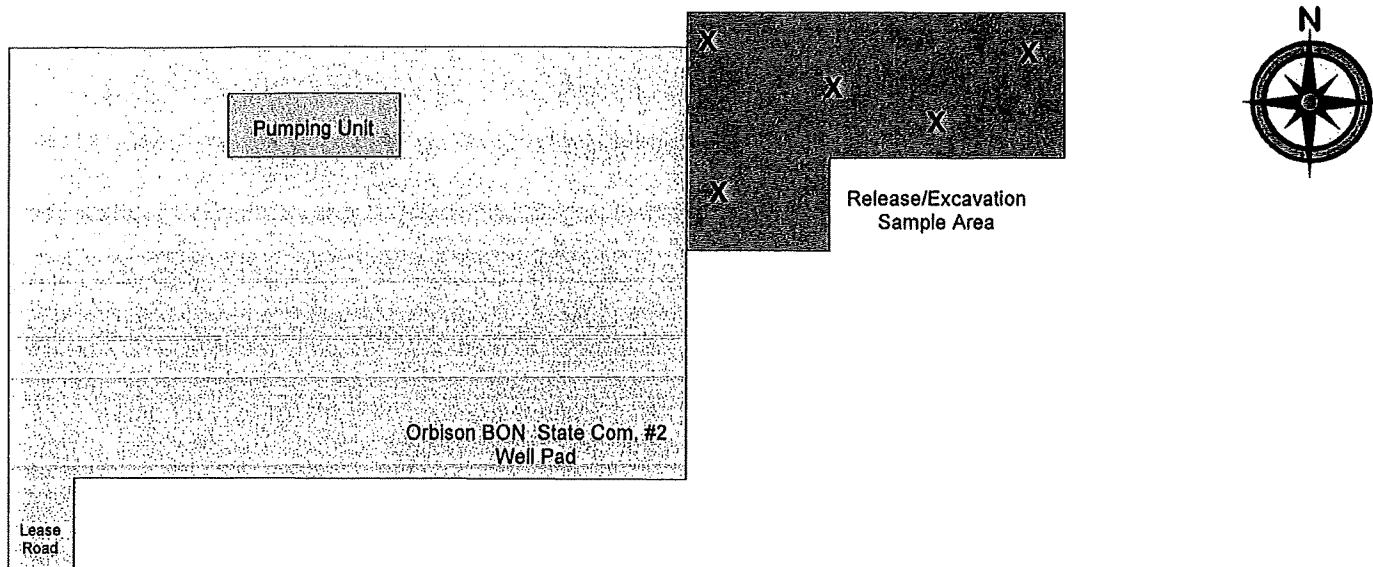
Latitude 33.27584 Longitude 103.47870

NATURE OF RELEASE

Type of Release Oil & Produced Water	Volume of Release 2 B/O & 10 B/PW	Volume Recovered 1 B/O & 8 B/PW
Source of Release Flowline	Date and Hour of Occurrence 2/24/2010, AM	Date and Hour of Discovery 2/24/2010, AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
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.* Flowline froze and broke at the wellhead causing release. Vacuum truck and backhoe crew called		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 50' X 25'. Vacuum truck picked up remaining oil and produced water, backhoe scraped up impacted soils. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). Since area effected by release is same area as the 12/6/2009 release (IRP-2377), remediation will follow the corrective action plan submitted to your office (dated and mailed on January 29, 2010). Depth to Ground Water: 50-99' (approx. 65', Section 14, T10S-R34E, per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10. Based on analytical results, impacted soils excavated/hailed and in-place remediation, Yates Petroleum Corporation requests 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: 	<u>OIL CONSERVATION DIVISION</u>	
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: Tuesday, August 03, 2010 Phone: 575-748-4217	IRP-2447	

* Attach Additional Sheets If Necessary



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
1/19/2010	1/19/2010	Composite/Shovel	4"	0.3375	147	1320	1530	62.7
1/19/2010	1/19/2010	Composite/Shovel	12"	0.1611	26.9	53.5	80.4	49.2
Sample ID	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
3/25/2010	3/25/2010	Composite/Shovel	4"	197.4	10600	24800	35400	506
3/25/2010	3/25/2010	Composite/Shovel	12"	0.9183	265	791	1056	407
Sample ID	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
7/15/2010	7/15/2010	Composite/Shovel	6"(1.5' BSL)	ND	ND	47.6	47.6	158
7/15/2010	7/15/2010	Composite/Shovel	12"(2.0' BSL)	0.0118	ND	502	502	160

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



Orbison BON
State Com. #2

30-025-38888

Section 14, T12S-R34E

Lea County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco Report #: 359210 & 35913

Report Date: 1/22/2010

Xenco Report #: 367653 & 367655

Report Date: 4/7/2010

Xenco Report #: 382078 & 382079

Report Date: 7/22/2010

Prepared by Robert Asher
Environmental Regulatory Agent

Analytical Report 382078

for

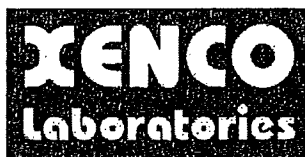
Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2

30-025-38888

22-JUL-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
 Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
 New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
 Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
 Louisiana (04176), USDA (P330-07-00105)

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

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

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



22-JUL-10

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

Reference: XENCO Report No: **382078**
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 382078. 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. 382078 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 382078



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 10:29	6 - 6 In	382078-001
GS/Comp-01.0	S	Jul-15-10 10:43	12 - 12 In	382078-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Orbison BON State Com. # 2



Project ID: 30-025-38888
Work Order Number: 382078

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, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 382078-002.

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: 382078-001, -002.

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: 382078-001, -002.

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

Certificate of Analysis Summary 382078

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2

Project Id: 30-025-38888

Contact: Robert Asher

Project Location: Lea County

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

Report Date: 22-JUL-10

Project Manager: Brent Barron, II



Analysis Requested	Lab Id:		382078-001		382078-002	
	Field Id:	Depth:	GS/Comp-00.5	12-12 In	GS/Comp-01.0	12-12 In
	Matrix:		SOIL		SOIL	
	Sampled:		Jul-15-10 10:29	Jul-15-10 10:43		
BTEX by EPA 8021	Extracted:		Jul-19-10 15:15	Jul-19-10 15:15		
	Analyzed:		Jul-20-10 03:05	Jul-20-10 03:27		
	Units/RL:		mg/kg RL	mg/kg RL		
			ND 0.0011	ND 0.0012		
			ND 0.0022	ND 0.0023		
Percent Moisture	Extracted:		Jul-20-10 08:28	Jul-20-10 08:28		
	Analyzed:		% RL	% RL		
	Units/RL:		9.41 1.00	14.2 1.00		
			ND 0.0011	ND 0.0012		
			ND 0.0011	ND 0.0012		
TPH by SW 8015B	Extracted:		Jul-19-10 15:00	Jul-19-10 15:00		
	Analyzed:		Jul-21-10 14:18	Jul-21-10 14:48		
	Units/RL:		mg/kg RL	mg/kg RL		
			ND 16.5	ND 17.4		
			47.6 16.5	502 17.4		
C6-C10 Gasoline Range Hydrocarbons						
C10-C28 Diesel Range Hydrocarbons						
Total TPH						

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

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Brent Barron, II
Odessa Laboratory Manager



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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(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
Date/Time: 7/17/10 9:28
Lab ID #: 382078 / 382079
Initials: JG

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?	<u>Yes</u>	<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 2.6 °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 382079

for

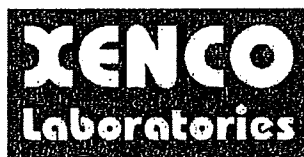
Yates Petroleum Corporation

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 (LA000312), 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: **382079**
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 382079. 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. 382079 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 3820'



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 10:29	6 - 6 In	382079-001
GS/Comp-01.0	S	Jul-15-10 10:43	12 - 12 In	382079-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Orbison BON State Com. # 2



Project ID: 30-025-38888
Work Order Number: 382079

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

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-815230 Percent Moisture

None

Batch: LBA-815319 Anions in Soil By EPA 300.0

None



Certificate of Analysis Summary 382079

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2

Project Id: 30-025-38888

Contact: Robert Asher

Project Location: Lea County

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


Report Date: 22-JUL-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	382079-001	382079-002			
	<i>Field Id:</i>	GS/Comp-00.5	GS/Comp-01.0			
	<i>Depth:</i>	6-6 In	12-12 In			
	<i>Matrix:</i>	SOIL	SOIL			
	<i>Sampled:</i>	Jul-15-10 10:29	Jul-15-10 10:43			
Anions in Soil By EPA 300.0	<i>Extracted:</i>					
	<i>Analyzed:</i>	Jul-19-10 16:56	Jul-19-10 16:56			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL			
Chloride		158 23.2	160 9.79			
Percent Moisture	<i>Extracted:</i>					
	<i>Analyzed:</i>	Jul-20-10 08:28	Jul-20-10 08:28			
	<i>Units/RL:</i>	% RL	% RL			
Percent Moisture		9.41 1.00	14.2 1.00			

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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.

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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: Orbison BON State Com. #2

Project #: 30-025-38888

Project Loc: Lea County

PO #: 105632

Fax No: 575-748-4662

☐ NPDES

boba@vatespetroleum.com

[illegible]



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
 Date/Time: 7/17/10 9:28
 Lab ID #: 382078 / 382079
 Initials: JG

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?	<u>Yes</u>	<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 2.6 °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 5.6.8.3.1.a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis

Analytical Report 367653

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2

30-025-38888

07-APR-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

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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)



07-APR-10

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

Reference: XENCO Report No: **367653**
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 367653. 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. 367653 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 36765



Yates Petroleum Corporation, Artesia, NM
Orbison BON State Com. # 2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-Surface	S	Mar-25-10 10:32	4 - 4 In	367653-001
GS/Comp-001	S	Mar-25-10 10:45	1 - 1 ft	367653-002



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Orbison BON State Com. # 2

Project ID: 30-025-38888

Report Date: 07-APR-10

Work Order Number: 367653

Date Received: 04/01/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-800769 TPH by SW 8015B
SW8015B_NM

Batch 800769, C10-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike.

Samples affected are: 367653-001, -002.

The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits

Batch: LBA-800779 Percent Moisture

None

Batch: LBA-801206 BTEX by EPA 8021
SW8021BM

Batch 801206, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 367653-001,367653-002.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 367432-001 D,367653-002.

SW8021BM

Batch 801206, Ethylbenzene, m,p-Xylenes , o-Xylene RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 367653-001, -002.

Certificate of Analysis Summary 367653

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2

Project Id: 30-025-38888

Contact: Robert Asher

Project Location: Lea County

Date Received in Lab: Thu Apr-01-10 10:10 am

Report Date: 07-APR-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:		367653-001		367653-002	
	Field Id:	Depth:	GS/Comp-Surface	1-1 ft	GS/Comp-001	1-1 ft
	Matrix:		SOIL		SOIL	
	Sampled:		Mar-25-10 10:32	Mar-25-10 10:45		
BTX by EPA 8021	Extracted:		Apr-06-10 07:30	Apr-06-10 07:30		
	Analyzed:		Apr-06-10 14:06	Apr-06-10 13:44		
	Units/RL:		mg/kg RL	mg/kg RL		
			1.224 1.123	ND 0.0056		
			13.67 2.245	ND 0.0112		
			2.009 1.123	0.0420 0.0056		
			131.9 2.245	0.3146 0.0112		
			48.58 1.123	0.5617 0.0056		
			180.5 1.123	0.8763 0.0056		
			197.4 1.123	0.9183 0.0056		
Percent Moisture	Extracted:					
	Analyzed:		Apr-01-10 17:00	Apr-01-10 17:00		
	Units/RL:		% RL	% RL		
			11.1 1.00	10.9 1.00		
TPH by SW 8015B	Extracted:		Apr-01-10 16:00	Apr-01-10 16:00		
	Analyzed:		Apr-02-10 05:02	Apr-02-10 05:29		
	Units/RL:		mg/kg RL	mg/kg RL		
			10600 169	265 16.8		
			24800 169	791 16.8		
			35400 169	1056 16.8		
C6-C10 Gasoline Range Hydrocarbons						
C10-C28 Diesel Range Hydrocarbons						
Total TPH						

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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.
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- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- 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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2505 North Falkenburg Rd, Tampa, FL 33619	(210) 509-3334	(210) 509-3335
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12600 West I-20 East, Odessa, TX 79765	(305) 823-8500	(305) 823-8555
842 Cantwell Lane, Corpus Christi, TX 78408	(432) 563-1800	(432) 563-1713
	(361) 884-0371	(361) 884-9116

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Robert Asher

Project Name: Orbison BON State Cam. #2

Company Name Yates Petroleum Corporation

Project #: 30-025-38888

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 ☐ NPDESSampler Signature: 

e-mail: boba@yatespetroleum.com

LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Matrix	Preservation & # of Containers										Analyze For:													
										Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	Other (Specify)	DW=Drinking Water BL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Portable Specify Other	TPH: 418.1 8016M 8015B	TPH: TX 1005 TX 1006	Calcions (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/8030 or BTEX 8020	RCI	N.O.R.M.	Chlorides	RUSH TAT (Pre-Schedule) 2A, 4B, 7Z			
01		GS/Comp-Surface	4"	4"	3/25/2010	10:32 AM	1	1	S	X									X									X					
02		GS/Comp-001	1'	1'	3/25/2010	10:45 AM	1	1	S	X									X								X						
PLEASE PUT CHLORIDES																																	
ON SEPARATE REPORT																																	
Special Instructions: TPH: 8015B, BTEX: 8021B & Chlorides. ALL results in mg/kg. Thank you.																																	
Relinquished by:		Date	Time	Received by:		Date	Time	Laboratory Comments:																									
Robert Asher		03/31/10	3:11 PM					VOCs Free of Headspace? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																									
Relinquished by:		Date	Time	Received by:		Date	Time	Custody seals on container(s) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																									
Relinquished by:		Date	Time	Received by:		Date	Time	Sample Hand Delivered by Sampler/Client Rep. ? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																									
FedEx				FedEx				by Courier? UPS DHL <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																									
								Temperature Upon Receipt: 7.6 °C																									

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Yates Pet.
 Date/ Time: 4.1.10 10:10
 Lab ID #: 367653 / 367655
 Initials: AL

Sample Receipt Checklist

Client Initials

	Yes	No	Temperature	°C	
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/>	No	2.0		
#2 Shipping container in good condition?	<input checked="" type="checkbox"/>	No			
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/>	No	Not Present		
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/>	No	Not Present		
#5 Chain of Custody present?	<input checked="" type="checkbox"/>	No			
#6 Sample Instructions complete of Chain of Custody?	<input checked="" type="checkbox"/>	No			
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/>	No			
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/>	No	ID written on Cont/ Lid		
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/>	No	Not Applicable		
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/>	No			
#11 Containers supplied by ELOT?	<input checked="" type="checkbox"/>	No			
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/>	No	See Below		
#13 Samples properly preserved?	<input checked="" type="checkbox"/>	No	See Below		
#14 Sample bottles intact?	<input checked="" type="checkbox"/>	No			
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No			
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No			
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/>	No	See Below		
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	See Below		
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/>	No	Not Applicable		
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/>	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

Analytical Report 367655

for

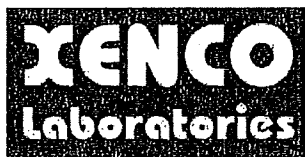
Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2

30-025-38888

07-APR-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)



07-APR-10

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

Reference: XENCO Report No: **367655**
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 367655. 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. 367655 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 36765



Yates Petroleum Corporation, Artesia, NM
Orbison BON State Com. # 2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-Surface	S	Mar-25-10 10:32	4 - 4 In	367655-001
GS/Comp-001	S	Mar-25-10 10:45	1 - 1 ft	367655-002

CASE NARRATIVE



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



Project ID: 30-025-38888
Work Order Number: 367655

Report Date: 07-APR-10
Date Received: 04/01/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-800779 Percent Moisture

None

Batch: LBA-801122 Inorganic Anions by EPA 300

None



Certificate of Analysis Summary 367655

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2

Project Id: 30-025-38888

Contact: Robert Asher

Project Location: Lea County

Date Received in Lab: Thu Apr-01-10 10:10 am

Report Date: 07-APR-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	367655-001	367655-002			
	Field Id:	GS/Comp-Surface	GS/Comp-001			
	Depth:	4-4 In	1-1 ft			
	Matrix:	SOIL	SOIL			
	Sampled:	Mar-25-10 10:32	Mar-25-10 10:45			
	Extracted:					
	Analyzed:	Apr-05-10 20:14	Apr-05-10 20:14			
	Units/RL:	mg/kg RL	mg/kg RL			
Chloride		506 9.45	407 9.43			
	Extracted:					
	Analyzed:	Apr-01-10 17:00	Apr-01-10 17:00			
	Units/RL:	% RL	% RL			
Percent Moisture		11.1 1.00	10.9 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
- * Outside XENCO's scope of NELAC Accreditation.

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4143 Greenbriar Dr, Stafford, Tx 77477
 9701 Harry Hines Blvd, Dallas, TX 75220
 5332 Blackberry Drive, San Antonio TX 78238
 2505 North Falkenburg Rd, Tampa, FL 33619
 5757 NW 158th St, Miami Lakes, FL 33014
 12600 West I-20 East, Odessa, TX 79765
 842 Cantwell Lane, Corpus Christi, TX 78408


Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 Weet I-20 East
Odessa, Texas 79765

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

Project Manager: Robert Asher
Company Name: Yates Petroleum Corporation
Company Address: 105 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4247
Sampler Signature: 
Project Name: Orbison BON State Com. #2
Project #: 30-025-38888
Project Loc: Lea County
PO #: 105632
Report Format: ☒ Standard ☐ TRRP ☐ NPDES
e-mail: boba@yatespetroleum.com

LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Matrix	Preservation & # of Containers										Analyze For:																
										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-Probable Specify Other	TPH: 418.1 8015M 8015B	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 Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72	Standard TAT				
01		GS/Comp-Surface	4"	4"	3/25/2010	10:32 AM	1	1	S	X											X								X							
02		GS/Comp-001	1'	1'	3/25/2010	10:45 AM	1	1	S	X										X									X							
PLEASE PUT CHLORIDES																																				
ON SEPARATE REPORT																																				
Special Instructions: TPH: 8015B, BTEX: 8021B & Chlorides. ALL results in mg/kg. Thank you.																																				
Relinquished by:		Date	Time	Received by:		Date	Time	Laboratory Comments:																												
Robert Asher		03/31/10	3:11 PM					VOCs Free of Headspace? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																												
Relinquished by:		Date	Time	Received by:		Date	Time	Custody seals on container(s) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																												
Relinquished by:		Date	Time	Received by:		Date	Time	Sample Hand Delivered by Sampler/Client Rep. ? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																												
Relinquished by:		Date	Time	Received by:		Date	Time	by Courier? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N UPS DHL FedEx Lone Star																												
Relinquished by:		Date	Time	Received by:		Date	Time	Temperature upon Receipt: 7.0 °C																												

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Yates Pet.
 Date/ Time: 4.1.10 10:10
 Lab ID #: 367653 / 367655
 Initials: AL

Sample Receipt Checklist

Client Initials

	Yes	No	Temperature	Client Initials
#1 Temperature of container/ cooler?	<input checked="" type="radio"/>	<input type="radio"/>	2.0 °C	
#2 Shipping container in good condition?	<input checked="" type="radio"/>	<input type="radio"/>		
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="radio"/>	<input type="radio"/>	Not Present	
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="radio"/>	<input type="radio"/>	Not Present	
#5 Chain of Custody present?	<input checked="" type="radio"/>	<input type="radio"/>		
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="radio"/>	<input type="radio"/>		
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="radio"/>	<input type="radio"/>	ID written on Cont./ Lid	
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="radio"/>	<input type="radio"/>	Not Applicable	
#9 Container label(s) legible and intact?	<input checked="" type="radio"/>	<input type="radio"/>		
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="radio"/>	<input type="radio"/>		
#11 Containers supplied by ELOT?	<input checked="" type="radio"/>	<input type="radio"/>	See Below	
#12 Samples in proper container/ bottle?	<input checked="" type="radio"/>	<input type="radio"/>	See Below	
#13 Samples properly preserved?	<input checked="" type="radio"/>	<input type="radio"/>		
#14 Sample bottles intact?	<input checked="" type="radio"/>	<input type="radio"/>		
#15 Preservations documented on Chain of Custody?	<input checked="" type="radio"/>	<input type="radio"/>		
#16 Containers documented on Chain of Custody?	<input checked="" type="radio"/>	<input type="radio"/>	See Below	
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/>	<input type="radio"/>	See Below	
#18 All samples received within sufficient hold time?	<input checked="" type="radio"/>	<input type="radio"/>	Not Applicable	
#19 Subcontract of sample(s)?	<input checked="" type="radio"/>	<input type="radio"/>	Not Applicable	
#20 VOC samples have zero headspace?	<input checked="" type="radio"/>	<input type="radio"/>		

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

Analytical Report 359210

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2

30-025-38888

22-JAN-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-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 (LAO00308), 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 (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida (E86240),

South Carolina (96031001), Louisiana (04154), Georgia (917)



22-JAN-10

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

Reference: XENCO Report No: **359210**
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 359210. 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. 359210 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 3592



Yates Petroleum Corporation, Artesia, NM
Orbison BON State Com. # 2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-Surface	S	Jan-19-10 10:35	4 - 4 In	359210-001
GS/Comp-001	S	Jan-19-10 10:50	1 - 1 ft	359210-002

CASE NARRATIVE*Client Name: Yates Petroleum Corporation**Project Name: Orbison BON State Com. # 2**Project ID: 30-025-38888**Report Date: 22-JAN-10**Work Order Number: 359210**Date Received: 01/20/2010***Sample receipt non conformances and Comments:**

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:*Batch: LBA-790304 Percent Moisture*

None

*Batch: LBA-790378 TPH by SW 8015B**SW8015B_NM*

Batch 790378, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike. C10-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 359210-001, -002.

The Laboratory Control Sample for C6-C10 Gasoline Range Hydrocarbons , C10-C28 Diesel Range Hydrocarbons is within laboratory Control Limits

CASE NARRATIVE

*Client Name: Yates Petroleum Corporation**Project Name: Orbison BON State Com. # 2**Project ID: 30-025-38888**Report Date: 22-JAN-10**Work Order Number: 359210**Date Received: 01/20/2010*

*Batch: LBA-790403 BTEX by EPA 8021
SW8021BM*

Batch 790403, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 359210-002, -001.

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

SW8021BM

Batch 790403, Benzene, Ethylbenzene, Toluene, m,p-Xylenes RPD was outside QC limits.

Samples affected are: 359210-002, -001

SW8021BM

Batch 790403, 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 359210-002 S, 359210-002 SD, 359210-001.

Batch 790403, 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 359210-002



Certificate of Analysis Summary 359210

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2

Project Id: 30-025-38888

Contact: Robert Asher

Project Location: Lea County



Date Received in Lab: Wed Jan-20-10 09:50 am

Report Date: 22-JAN-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	359210-001	359210-002			
	Field Id:	GS/Comp-Surface	GS/Comp-001			
	Depth:	4-4 In	1-1 ft			
	Matrix:	SOIL	SOIL			
	Sampled:	Jan-19-10 10:35	Jan-19-10 10:50			
BTEX by EPA 8021	Extracted:	Jan-21-10 14:00	Jan-21-10 14:00			
	Analyzed:	Jan-21-10 17:39	Jan-21-10 15:42			
	Units/RL:	mg/kg RL	mg/kg RL			
		ND 0.0011	ND 0.0012			
		0.0025 0.0022	ND 0.0023			
Percent Moisture		0.0130 0.0011	0.0062 0.0012			
		0.2258 0.0022	0.0886 0.0023			
		0.0962 0.0011	0.0663 0.0012			
		0.3220 0.0011	0.1549 0.0012			
		0.3375 0.0011	0.1611 0.0012			
TPH by SW 8015B	Extracted:	Jan-20-10 12:45	Jan-20-10 12:45			
	Analyzed:	Jan-21-10 11:00	Jan-21-10 11:00			
	Units/RL:	% RL	% RL			
		9.66 1.00	14.6 1.00			
C6-C10 Gasoline Range Hydrocarbons	Extracted:	Jan-21-10 11:00	Jan-21-10 11:00			
	Analyzed:	Jan-22-10 05:17	Jan-22-10 05:45			
	Units/RL:	mg/kg RL	mg/kg RL			
		147 16.6	26.9 17.5			
C10-C28 Diesel Range Hydrocarbons	Extracted:	Jan-21-10 11:00	Jan-21-10 11:00			
	Analyzed:	Jan-22-10 05:17	Jan-22-10 05:45			
	Units/RL:	mg/kg RL	mg/kg RL			
		1320 16.6	53.5 17.5			
Total TPH		1530 16.6	80.4 17.5			

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

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Brent Barron, II
Odessa Laboratory Manager



Flagging Criteria



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

BRL Below Reporting Limit.

RL Reporting Limit

* Outside XENCO's scope of NELAC Accreditation.

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 2505 North Falkenburg Rd, Tampa, FL 33619
 5757 NW 158th St, Miami Lakes, FL 33014
 12600 West I-20 East, Odessa, TX 79765
 842 Cantwell Lane, Corpus Christi, TX 78408

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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum
 Date/ Time: 1-20-10 9:50
 Lab ID #: 359210 / 359113
 Initials: ML

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	1.1 °C
#2	Shipping container in good condition?	(Yes)	No	
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present
#5	Chain of Custody present?	(Yes)	No	
#6	Sample instructions complete of Chain of Custody?	(Yes)	No	
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No	
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No	
#11	Containers supplied by ELOT?	(Yes)	No	
#12	Samples in proper container/ bottle?	(Yes)	No	See Below
#13	Samples properly preserved?	(Yes)	No	See Below
#14	Sample bottles intact?	(Yes)	No	
#15	Preservations documented on Chain of Custody?	(Yes)	No	
#16	Containers documented on Chain of Custody?	(Yes)	No	
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below
#18	All samples received within sufficient hold time?	(Yes)	No	See Below
#19	Subcontract of sample(s)?	Yes	No	Not Applicable
#20	VOC samples have zero headspace?	(Yes)	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

Analytical Report 359213

for

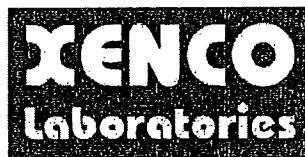
Yates Petroleum Corporation

Project Manager: Robert Asher

Orbison BON State Com. # 2

30-025-38888

22-JAN-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-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 (LAO00308), 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 (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),

South Carolina(96031001), Louisiana(04154), Georgia(917)



22-JAN-10

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

Reference: XENCO Report No: **359213**
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 359213. 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. 359213 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 35921



Yates Petroleum Corporation, Artesia, NM
Orbison BON State Com. # 2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-Surface	S	Jan-19-10 10:35	4 - 4 In	359213-001
GS/Comp-001	S	Jan-19-10 10:50	1 - 1 ft	359213-002

CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Orbison BON State Com. # 2

Project ID: 30-025-38888

Report Date: 22-JAN-10

Work Order Number: 359213

Date Received: 01/20/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-790263 Anions in Soil By EPA 300.0

None

Batch: LBA-790304 Percent Moisture

None

Certificate of Analysis Summary 359213

Yates Petroleum Corporation, Artesia, NM

Project Name: Orbison BON State Com. # 2

Project Id: 30-025-38888

Contact: Robert Asher

Project Location: Lea County



Date Received in Lab: Wed Jan-20-10 09:50 am

Report Date: 22-JAN-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:		359213-001		359213-002	
	Field Id:	Depth:	GS/Comp-Surface	1-1 ft	GS/Comp-001	SOIL
	Matrix:		SOIL			
	Sampled:		Jan-19-10 10:35	Jan-19-10 10:50		
Anions in Soil By EPA 300.0	Extracted:					
	Analyzed:		Jan-20-10 13:34	Jan-20-10 13:34		
	Units/RL:		mg/kg RL	mg/kg RL		
			62.7 9.29	49.2 4.92		
Percent Moisture	Extracted:					
	Analyzed:		Jan-20-10 12:45	Jan-20-10 12:45		
	Units/RL:		% RL	% RL		
			9.54 1.00	14.6 1.00		
Percent Moisture						

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Brett 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
- * Outside XENCO's scope of NELAC Accreditation.

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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: Orbison BON State Com. #2

Project #: 30-025-38888

Project Loc: Lea County

PO #: 105632

Fax No: 575-748-4862

boba@yatespetroleum.com

Report Format ☒ Standard ☐ TRRP ☐ NPDES

Standard
x

TRRP

☐ NPDES

ORDER #: 359210/359213

[illegible]

Special instructions:

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

Laboratory Comments:

Relinquished by:

Date _____

Received by:

Date	Time
------	------

Robert Asher

200/4/12

2:57 PM

Relinquished by:

Date

Received by:

Date	Time
------	------

1

Belinavished for

Date	
------	--

Received by El Dorado

[illegible]

of. L

Date _____

Received by ELOI:

Date	Time
------	------

3

4022

2

1000000

70-1A
J5A

1.0

Released to Imaging: 7/15/2021 9:19:24 AM

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum
 Date/ Time: 1.20.10 9:50
 Lab ID #: 359210 / 359113
 Initials: AL

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>(Yes)</u>	No	<u>1.1</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	<u>(Not Applicable)</u>
#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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 36428

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36428
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	7/15/2021