

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	NKMW1111633366
District RP	2RP-760
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 # NKMW111163366
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.57553 Longitude 104.58654
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Algerita AHR State #1	Site Type Battery
Date Release Discovered 08/12/2009	API# 30-015-26383

Unit Letter	Section	Township	Range	County
H	16	20S	24E	Eddy

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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 20	Volume Recovered (bbls) 0
<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

Please refer to the attached original C-141 form for 2RP-760 for cause of release and immediate action steps. EOG Resources is submitting for closure via the new form to formally close out this incident. All sampling and correspondence is also attached.

Incident ID	NKMW1111633366
District RP	2RP-760
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input 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 not 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: Chase Settle Title: Rep Safety & Environmental Sr
 Signature: *Chase Settle* Date: 10/11/2021
 email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only
 Received by: _____ Date: _____

Incident ID	NKMW1111633366
District RP	2RP-760
Facility ID	
Application ID	

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?	_____ (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 1/2-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

Incident ID	NKMW1111633366
District RP	2RP-760
Facility ID	
Application ID	

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: _____

Incident ID	NKMW1111633366
District RP	2RP-760
Facility ID	
Application ID	

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 I 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: _____

Incident ID	NKMW1111633366
District RP	2RP-760
Facility ID	
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: *Chase Settle* Date: 10/11/2021
 email: Chase_Settle@eogresources.com Telephone: 575-748-1471

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: *Bradford Billings* Date: 10/20/2021
 Printed Name: Bradford Billings Title: Envi.Spec.A

Received by OCD: 10/13/2021 4:09:40 PM

Released to Imaging: 10/20/2021 1:38:15 PM



December 20, 2017

#5E25868-BG14

NMOCD District II
Mike Bratcher
811 S. First St.
Artesia, NM 88210

SUBJECT: SOIL REMEDIATION CLOSURE REPORT FOR INCIDENT NUMBER 2RP-760 AT THE ALGERITA AHR STATE #1, EDDY COUNTY, NEW MEXICO

Dear Mr. Bratcher:

On behalf of EOG, Souder, Miller & Associates (SMA) has prepared this CLOSURE REPORT that describes the delineation and assessment for a historical release associated with the Algerita AHR State #1 that occurred in 2009. The site is located in UNIT H, SECTION 16, TOWNSHIP 20S, RANGE 24E, NMPM, Eddy County, New Mexico, on State land. Figure 1 illustrates the vicinity and location of the site.

Table 1, below, summarizes information regarding the release.

Table 1: Release information and Site Ranking	
Name	Algerita AHR State #1
Company	EOG Y
Incident Number	2RP-760
API Number	30-015-26383
Location	32.57553, -104.58654
Estimated Date of Release	8/12/2009
Date Reported to NMOCD	8/21/2009
Land Owner	State
Reported To	NMOCD District II
Source of Release	Production Tank
Released Material	Condensate
Released Volume	20 bbl
Recovered Volume	0 bbl
Net Release	20 bbl
Nearest Waterway	5 Miles West of Location
Depth to Groundwater	Estimated to be greater than 100'
Nearest Domestic Water Source	Greater than 1,000 feet
NMOCD Ranking	0
SMA Response Dates	11/20/2017

1.0 Background

In August 2009, a hole developed in a production tank within the unlined, bermed battery of the Algerita AHR State #1. The hole resulted in a condensate release that is estimated by Yates Petroleum to be approximately 15 feet long by 15 feet wide.

2.0 Site Ranking and Land Jurisdiction

The release site is located approximately 11 miles west of Brantly Lake, with an elevation of approximately 3,725 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be 200 feet below ground surface (bgs).

According to the ChevronTexaco Trend map, this location has a depth to ground water at 350'. SMA searched the New Mexico State Engineer's Office online water well database for water wells in the vicinity of the release. Several wells are located within a 5000-meter radius of the site (see appendix C). Of those well, three showed a depth to groundwater less than 100 feet. Upon further investigation RA 05146 was an oil exploratory well, RA 02906 CLW was conversion transaction for a well in Sec 14 T10s R24E, and RA 02775 could not be located. SMA considers 200 feet to ground water to be a conservative estimate for this area. Figure 1 depicts the site vicinity and Figure 2 shows the site itself. The physical location of this release is on private property and is within the jurisdiction of NMOCD.

Recommended Remediation Action Levels (RRALs) are determined by the site ranking according to the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (1993). Below in Table 2 are the remediation standards and the site ranking for this location. Justification for this site ranking is found in Figure 1 and Appendix B.

Table 2.

Soil Remediation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM

Depth to Groundwater	NMOCD Numeric Rank
< 50 BGS = 20	
50' to 99' = 10	
>100' = 0	0
Distance to Nearest Surface Water	NMOCD Numeric Rank
< 200' = 20	
200' - 1000' = 10	
>1000' = 0	0
Well Head Protection	NMOCD Numeric Rank
<1000' (or <200' domestic) = 20	
> 1000' = 0	0
Total Site Ranking	0

3.0 Release Characterization

On November 20, 2017 after receiving 811 clearance, SMA field personnel assessed the release area. Two sample locations were augered by hand to a maximum depth of 1.5 feet bgs, at which point a hard pan caliche layer was encountered. Samples were collected to characterize and delineate the release, and both samples were collected and processed according to NMOCD soil sampling procedures. The samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for MRO, DRO, and GRO by EPA Method 8015D, BTEX by EPA Method 8021, and Chlorides by Method 300. Sample locations are depicted on Figure 2. All field screening and laboratory results are summarized in Table 3. Laboratory reports are included in Appendix C.

4.0 Soil Remediation

All laboratory samples returned results below RRAL's for a site ranking of 0. SMA recommends no further action for this release.

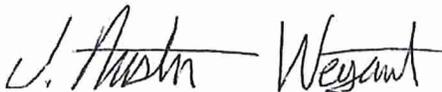
5.0 Scope and Limitations

The scope of our services consisted of the performance of assessment and confirmation sampling, regulatory liaison, and preparation of this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-8801 or Shawna Chubbuck at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Austin Weyant
Project Scientist

Shawna Chubbuck
Senior Scientist

ATTACHMENTS:

Figures:

Algerita AHR State #1
December 20, 2017

Figure 1: Vicinity and Well Head Protection Map
Figure 2: Site and Sample Location Map

Tables:

Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141 Initial and Final
Appendix B: NMOSE Wells Report
Appendix C: Laboratory Analytical Reports

FIGURE 1
VICINITY AND NMOSE
DATA MAP

FIGURE 2
SITE AND SAMPLE
LOCATION MAP



Site and Sample Location Map
 Algerita AHR State #1 - EOG Y
 S 16-T20S-R24E, New Mexico

Figure 2

Date Served:	By:	Date:	Revisions	Descr:
12/11/2017				

Copyright 2015 Souder, Miller & Associates - All Rights Reserved

Drawn	Heather Patterson
Checked	
Approved	



201 South Halaguena Street
 Carlsbad, New Mexico 88221
 (575) 689-7040
 www.soudermiller.com
 Serving the Southwest & Rocky Mountains

TABLE 3

SUMMARY SAMPLE RESULTS

Algerita Battery Sample Summary

Table 3.

Sample Number on Figure 2	Sample Date	Depth (feet bgs)	Proposed Action	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- Laboratory mg/Kg
NMOCD RRAL's for Site Ranking 0				50 mg/Kg	10 mg/Kg				5000 mg/Kg	
L1	11/20/2017	0.5	in-situ	<0.23	<0.023	14	180	280	474	<30
	11/20/2017	1	in-situ	--	--	110	1200	980	2290	--
	11/20/2017	1.5	in-situ	--	--	53	560	570	1183	--
L2	11/20/2017	0.5	in-situ	<0.23	<0.024	<4.8	<9.2	<46	<61	<30
	11/20/2017	1	in-situ	--	--	--	--	--	--	<30

"--" = Not Analyzed

APPENDIX A
FORM C141 INITIAL AND FINAL

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

nKmw 11163366 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 Algerita AHR State #1	API Number 30-015-26383	Facility Type Battery
Surface Owner State	Mineral Owner State	Lease No. NM-653V-253192

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	16	20S	24E	1980	North	660	East	Eddy

Latitude 32.57553 Longitude 104.58654

NATURE OF RELEASE

Type of Release Condensate	Volume of Release 20 B/C	Volume Recovered 0 B/C
Source of Release Production tank	Date and Hour of Occurrence 8/12/2009 - AM	Date and Hour of Discovery 8/12/2009 - PM
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.* Hole in production tank. Vacuum truck called.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 15' X 15'. Source of release isolated and corrected. Vacuum truck removed remaining condensate and transferred to another tank at the battery. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX. If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approximately 400', per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.		
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: <i>Robert Asher</i>	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor: <i>Mike Benavente</i>	
Title: Environmental Regulatory Agent	Approval Date: <i>4/25/11</i>	Expiration Date:
E-mail Address: boba@yatespetroleum.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: Friday, August 21, 2009	Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:	

* Attach Additional Sheets If Necessary

PROPOSAL NOT LATER THAN:

5/25/11

JRP-760

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company EOG Y Resources Inc	Contact Chase Settle
Address 104 S. 4 th Steet, Artesia, NM	Telephone No. 575-703-6537
Facility Name Algerita AHR State #1	Facility Type Battery

Surface Owner State	Mineral Owner State	API No. 30-015-26383
---------------------	---------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	16	20s	24e	1980	N	660	E	Eddy

Latitude 32.57553 Longitude -104.58654 NAD83

NATURE OF RELEASE

Type of Release condensate	Volume of Release 20 bbl	Volume Recovered 0
Source of Release production tank	Date and Hour of Occurrence 8/12/2009 - AM	Date and Hour of Discovery 8/12/2009 - PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Hole in production tank, vacuum truck called		
Describe Area Affected and Cleanup Action Taken.* An approximate are of 15' x 15', source of release was isolated and corrected. Vacuum truck removed remaining condensate and transferred to another tank at the battery.		
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.		

OIL CONSERVATION DIVISION

Signature: <i>Chase Settle</i>	Approved by Environmental Specialist:	
Printed Name: Chase Settle	Approval Date:	Expiration Date:
Title: Safety & Environmental Representative II	Conditions of Approval:	
E-mail Address: chase_settle@eogresources.com	Attached <input type="checkbox"/>	
Date: 12/14/17	Phone: 575-703-6537	

* Attach Additional Sheets If Necessary

2RP-760

APPENDIX B

NMOSE WELLS REPORT



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 04956			ED	1	1	21	20S	24E		537605	3603101*	1671	1013		
RA 10139			ED	3	3	2	21	20S	24E	538285	3602597*	1765	308		
RA 05424			ED	4	2	3	22	20S	24E	539669	3602194*	2279	1000	400	600
RA 07771			ED	4	1	4	22	20S	24E	540073	3602194*	2465			
RA 02775			CH	1	4	3	21	20S	24E	537899	3601986*	2468	140	31	109
RA 05478			ED	3	2	3	08	20S	24E	536272	3605389*	2735	550	500	50
RA 05146			ED	1	2	14	20S	24E		541600	3604734*	2856	300	80	220
RA 00189			CH	3	1	4	20	20S	24E	536700	3602190*	2955	220		
RA 02906 CLW			CH	3	4	2	14	20S	24E	541907	3604238*	3129	145	25	120
RA 03084			ED		1	03	20S	24E		539366	3607752*	3509	330	268	62
RA 04742			ED	3	3	13	20S	24E		542408	3603517*	3712	300		
RA 05723			ED	3	3	34	19S	24E		539170	3608353*	4079	310	270	40
RA 10140			ED	2	1	1	35	20S	24E	540938	3599981*	4822	295		

Average Depth to Water: **224 feet**
 Minimum Depth: **25 feet**
 Maximum Depth: **500 feet**

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 538777.84

Northing (Y): 3604292.24

Radius: 5000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

APPENDIX C

LABORATORY ANALYTICAL REPORTS



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 04, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX (505) 327-1496

RE: Algerita

OrderNo.: 1711B96

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 11/25/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** L2-0.5'
Project: Algerita **Collection Date:** 11/20/2017 1:10:00 PM
Lab ID: 1711B96-001 **Matrix:** SOIL **Received Date:** 11/25/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	12/1/2017 12:19:50 AM	35246
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/29/2017 3:58:18 PM	35150
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/29/2017 3:58:18 PM	35150
Surr: DNOP	83.1	70-130		%Rec	1	11/29/2017 3:58:18 PM	35150
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/28/2017 10:39:16 PM	35154
Surr: BFB	93.6	15-316		%Rec	1	11/28/2017 10:39:16 PM	35154
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	11/28/2017 10:39:16 PM	35154
Benzene	ND	0.024		mg/Kg	1	11/28/2017 10:39:16 PM	35154
Toluene	ND	0.048		mg/Kg	1	11/28/2017 10:39:16 PM	35154
Ethylbenzene	ND	0.048		mg/Kg	1	11/28/2017 10:39:16 PM	35154
Xylenes, Total	ND	0.096		mg/Kg	1	11/28/2017 10:39:16 PM	35154
Surr: 4-Bromofluorobenzene	92.1	80-120		%Rec	1	11/28/2017 10:39:16 PM	35154

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Analytical Report
Lab Order 1711B96
Date Reported: 12/4/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** L2-1'
Project: Algerita **Collection Date:** 11/20/2017 1:15:00 PM
Lab ID: 1711B96-002 **Matrix:** SOIL **Received Date:** 11/25/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	12/1/2017 12:57:03 AM	35246

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** L1-0.5'
Project: Algerita **Collection Date:** 11/20/2017 12:52:00 PM
Lab ID: 1711B96-003 **Matrix:** SOIL **Received Date:** 11/25/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	12/1/2017 1:09:28 AM	35246
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	180	9.6		mg/Kg	1	11/29/2017 4:26:20 PM	35150
Motor Oil Range Organics (MRO)	280	48		mg/Kg	1	11/29/2017 4:26:20 PM	35150
Surr: DNOP	95.6	70-130		%Rec	1	11/29/2017 4:26:20 PM	35150
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	14	4.7		mg/Kg	1	11/29/2017 9:06:34 PM	35154
Surr: BFB	205	15-316		%Rec	1	11/29/2017 9:06:34 PM	35154
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1	11/29/2017 9:06:34 PM	35154
Benzene	ND	0.023		mg/Kg	1	11/29/2017 9:06:34 PM	35154
Toluene	ND	0.047		mg/Kg	1	11/29/2017 9:06:34 PM	35154
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2017 9:06:34 PM	35154
Xylenes, Total	ND	0.093		mg/Kg	1	11/29/2017 9:06:34 PM	35154
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	11/29/2017 9:06:34 PM	35154

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates **Client Sample ID:** L1-1'
Project: Algerita **Collection Date:** 11/20/2017 1:01:00 PM
Lab ID: 1711B96-004 **Matrix:** SOIL **Received Date:** 11/25/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	1200	96		mg/Kg	10	11/28/2017 10:15:42 PM	35150
Motor Oil Range Organics (MRO)	980	480		mg/Kg	10	11/28/2017 10:15:42 PM	35150
Surr: DNOP	0	70-130	S	%Rec	10	11/28/2017 10:15:42 PM	35150
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	110	46		mg/Kg	10	11/28/2017 11:25:58 PM	35154
Surr: BFB	183	15-316		%Rec	10	11/28/2017 11:25:58 PM	35154

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Value above quantitation range
H	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL	Practical Quantitative Limit	RL Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1711B96

04-Dec-17

Client: Souder, Miller & Associates
Project: Algerita

Sample ID	MB-35246	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	35246	RunNo:	47438					
Prep Date:	11/30/2017	Analysis Date:	11/30/2017	SeqNo:	1515504	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-35246	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	35246	RunNo:	47438					
Prep Date:	11/30/2017	Analysis Date:	11/30/2017	SeqNo:	1515505	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1711B96

04-Dec-17

Client: Souder, Miller & Associates
Project: Algerita

Sample ID	LCS-35150		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	35150		RunNo:	47354				
Prep Date:	11/27/2017		Analysis Date:	11/28/2017		SeqNo:	1512100		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	49	10	50.00	0	98.0	73.2	114				
Surr: DNOP	4.7		5.000		94.1	70	130				

Sample ID	MB-35150		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	35150		RunNo:	47354				
Prep Date:	11/27/2017		Analysis Date:	11/28/2017		SeqNo:	1512101		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	10		10.00		103	70	130				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1711B96

04-Dec-17

Client: Souder, Miller & Associates

Project: Algerita

Sample ID	MB-35154	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	35154	RunNo:	47368					
Prep Date:	11/27/2017	Analysis Date:	11/28/2017	SeqNo:	1511588	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		88.1	15	316			

Sample ID	LCS-35154	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	35154	RunNo:	47368					
Prep Date:	11/27/2017	Analysis Date:	11/28/2017	SeqNo:	1511589	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.3	75.9	131			
Surr: BFB	1000		1000		102	15	316			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

MARTIN YATES, III
1912-1985
FRANK W. YATES
1936-1986
S.P. YATES
1914-2008



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

JOHN A. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES JR.
PRESIDENT
SCOTT M. YATES
VICE PRESIDENT
JAMES S. BROWN
CHIEF OPERATING OFFICER
JOHN D. PERINI
CHIEF FINANCIAL OFFICER

June 1, 2010

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

Re: Algerita AHR State #1
30-015-26383
Section 16, T20S-R24E
Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on August 12, 2009 (20 bbls of condensate with no condensate being recovered). The release was from a production tank that developed a hole causing the release. Vertical and horizontal samples were taken on 9/29/2010 and sent to an OCD approved laboratory for analysis. Analytical results show TPH & BTEX above RRAL's for the site ranking of (0) zero, (enclosed sample diagram). A corrective action letter was submitted to your office (11/3/2009). Remediation work would include aerating impacted soils with a mini excavator, applying nitrogen fertilizer and water. Samples were taken on 1/25/2010 and sent to an NMOCD approved laboratory. Analytical results showed TPH & BTEX were still above RRAL's, a second application of fertilizer and water were conducted as well as aeration of the soils. Samples were taken on 5/18/2010 and sent to an NMOCD approved laboratory. Analytical results showed TPH & BTEX are below RRAL's (all results are enclosed). Based on the remediation actions, analytical results and the site ranking; Yates Petroleum Corporation requests closure.

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

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher
Environmental Regulatory Agent

/rca
Enclosure(s)

MAILED
6/11/2010

Page 33 of 134
Received by OCD: 10/13/2021 4:09:40 PM

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 Algerita AHR State #1	API Number 30-015-26383	Facility Type Battery
Surface Owner State	Mineral Owner State	Lease No. V-2531

LOCATION OF RELEASE

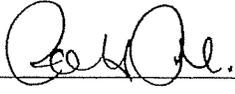
Unit Letter H	Section 16	Township 20S	Range 24E	Feet from the 1980	North/South Line North	Feet from the 660	East/West Line East	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	----------------------	------------------------	----------------

Latitude 32.57553 Longitude 104.58654

NATURE OF RELEASE

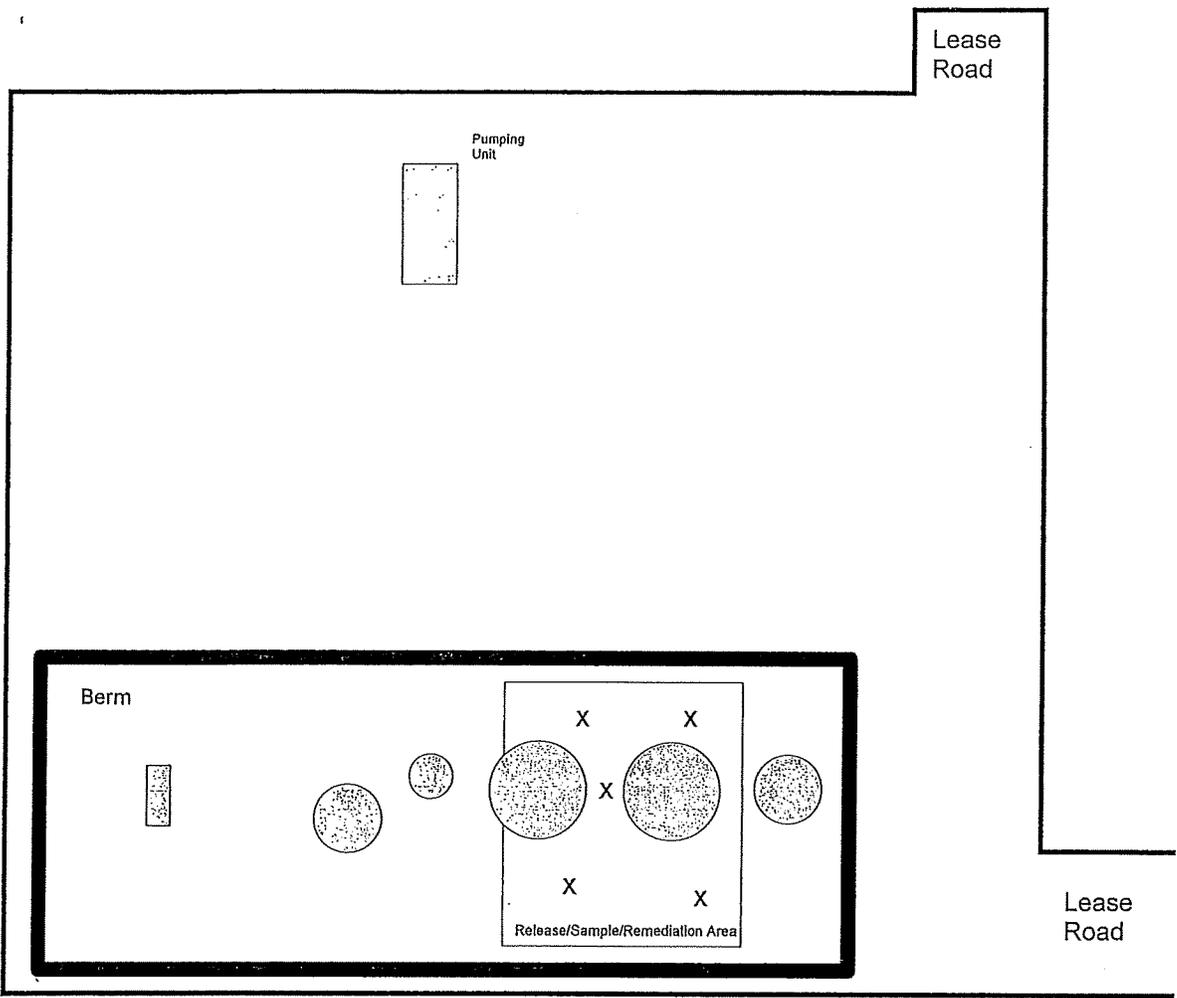
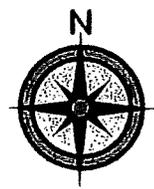
Type of Release Condensate	Volume of Release 20 B/C	Volume Recovered 0 B/C
Source of Release Production tank	Date and Hour of Occurrence 8/12/2009 - AM	Date and Hour of Discovery 8/12/2009 - PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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.* Hole in production tank. Vacuum truck called.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 15' X 15'. Source of release isolated and corrected. Vacuum truck removed remaining condensate and transferred to another tank at the battery. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX. If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a corrective action plan will be submitted to the OCD. Depth to Ground Water: >100' (approximately 400', per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on the remediation actions conducted, analytical results and site ranking, 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: 	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor:	
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:
E-mail Address: boba@yatespetroleum.com	Conditions of Approval:	
Date: Tuesday, June 01, 2010 Phone: 575-748-4217	Attached <input type="checkbox"/>	

Attach Additional Sheets If Necessary

Released to Imaging: 10/20/2021 1:38:15 PM



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
GS/Comp-001	9/29/2009	Grab/Auger	4"	2.245	279	1060	1339
GS/Comp-002	9/29/2009	Grab/Auger	1'	101.810	3010	713	3723
GS/Comp-003	9/29/2009	Grab/Auger	2'	94.090	3480	633	4113
Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
GS/Comp-001	1/25/2010	Grab/Auger	1'	23.673	245	58.3	303.3
GS/Comp-002	1/25/2010	Grab/Auger	2'	82.900	2960	181	3141
Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
GS/Comp-001	5/18/2010	Grab/Auger	1'	1.872	63.4	34.7	98.1
GS/Comp-002	5/18/2010	Grab/Auger	2'	11.310	774	902	1676
GS/Comp-003	5/18/2010	Grab/Auger	3'	16.280	660	43.5	703.5

Site Ranking is Zero (0). Depth to Ground Water >100' (approx.400', per NMOSE).
 All results are ppm.



Algerita AHR State #1
 30-015-26383
 Section 16, T20S-R24E
 Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)
 Xenco Report #: 346486
 Report Date: 10/7/20089
 Xenco Report #: 360032
 Report Date: 2/1/2009
 Xenco Report #: 373728
 Report Date: 5/26/2010
 Prepared by Robert Asher
 Environmental Regulatory Agent

Analytical Report 373728

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Algerita AHR State # 1

30-015-26383

26-MAY-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

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

Xenco-Atlanta (EPA Lab Code: GA00046):

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

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

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

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

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

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

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

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

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



26-MAY-10

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

Reference: XENCO Report No: 373728
Algerita AHR State # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 373728. 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. 373728 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 373728



Yates Petroleum Corporation, Artesia, NM
Algerita AHR State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	May-18-10 11:05	1 - 1 ft	373728-001
GS/Comp-002	S	May-18-10 11:24	2 - 2 ft	373728-002
GS/Comp-003	S	May-18-10 11:45	3 - 3 ft	373728-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Algerita AHR State # 1



Project ID: 30-015-26383

Report Date: 26-MAY-10

Work Order Number: 373728

Date Received: 05/20/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-807506 Percent Moisture

None

Batch: LBA-807718 TPH by SW 8015B

None

Batch: LBA-808178 BTEX by EPA 8021

SW8021BM

Batch 808178, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 373728-001,373728-003,373728-002.

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

Samples affected are: 373728-001.

SW8021BM

Batch 808178, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 373728-002, -001, -003.

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



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.

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

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

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



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

Document Title: Sample Receipt Checklist
Document No.: SYS - SRC
Revision/Date : No.00 , 05/18/10
Effective Date: 05/20/10
Page No.: 1 of 1

Prelogin / Nonconformance Report – Sample Log-In

Client: Yates Petroleum
Date/Time: 5.20.10 9:30
Lab ID #: 373728
Initials: AL

Sample Receipt Checklist

1. Sample 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 (<u>cooler</u>) and <u>bottles</u> ?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample lable(s)?	<u>Yes</u>	No		
9. Container labels legible 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)?	<u>Yes</u>	No	<u>N/A</u>	
17. Voc sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>3.8</u>	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 360032

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Algerita AHR State # 1

30-015-26383

01-FEB-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)

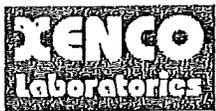
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

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)



01-FEB-10

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

Reference: XENCO Report No: 360032
Algerita AHR State # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 360032. 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. 360032 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 360032



Yates Petroleum Corporation, Artesia, NM
Algerita AHR State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-002	S	Jan-25-10 14:20	1 - 1 ft	360032-001
GS/Comp-003	S	Jan-25-10 14:40	2 - 2 ft	360032-002

CASE NARRATIVE



Client Name: Yates Petroleum Corporation
Project Name: Algerita AHR State # 1

Project ID: 30-015-26383
Work Order Number: 360032

Report Date: 01-FEB-10
Date Received: 01/27/2010

Sample receipt non conformances and Comments:
None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-791199 Percent Moisture
None

Batch: LBA-791430 TPH by SW 8015B
None

Batch: LBA-791711 BTEX by EPA 8021
SW8021BM

Batch 791711, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 360032-002.
4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 360032-001,360032-002.



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.

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

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

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



Certificate of Analysis Summary 360032

Yates Petroleum Corporation, Artesia, NM

Project Name: Algeta AHR State # 1



Project Id: 30-015-26583
 Contact: Robert Asher
 Project Location: Eddy County

Date Received in Lab: Wed Jan-27-10 09:48 am
 Report Date: 01-FEB-10
 Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	Field Id:	Depth:	Matrix:	Sampled:	360032-001	360032-002
BTEX by EPA 8021	GS/Comp-002	1-1 ft	SOIL	Jan-25-10 14:20	Jan-29-10 16:00	GS/Comp-003	2-2 ft
	mg/kg	RL		Jan-30-10 17:43	Jan-30-10 19:39		SOIL
	Units/RL:						Jan-25-10 14:40
Benzene	ND	1.136				mg/kg	RL
Toluene	6.270	2.272				0.6872	0.2306
Ethylbenzene	3.828	1.136				5.156	0.4612
m,p-Xylenes	9.463	2.272				3.888	0.2306
o-Xylene	4.112	1.136				54.37	0.4612
Xylenes, Total	13.575	1.136				18.80	0.2306
Total BTEX	23.673	1.136				73.17	0.2306
Percent Moisture							
	Extracted:						
	Analyzed:	Jan-28-10 17:00				Jan-28-10 17:00	
	Units/RL:	%	RL			%	RL
TPH by SW 8015B	12.8	1.00				14.1	1.00
	Extracted:	Jan-28-10 11:00				Jan-28-10 11:00	
	Analyzed:	Jan-29-10 08:30				Jan-29-10 08:57	
	Units/RL:	mg/kg	RL			mg/kg	RL
C6-C10 Gasoline Range Hydrocarbons	245	17.2				2960	87.0
C10-C28 Diesel Range Hydrocarbons	58.3	17.2				181	87.0
Total TPH	303	17.2				3141	87.0

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

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

Brent Barron, II
 Odessa Laboratory Manager

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum
 Date/ Time: 1-26-10 9:48
 Lab ID #: 300032
 Initials: AL

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	1.0 °C	
#2	Shipping container in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#3	Custody Seals intact on shipping container/ cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Present	
#5	Chain of Custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#6	Sample instructions complete of Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#7	Chain of Custody signed when relinquished/ received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#8	Chain of Custody agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#11	Containers supplied by ELOT?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#12	Samples in proper container/ bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	See Below	
#13	Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	See Below	
#14	Sample bottles intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#15	Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#16	Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#17	Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	See Below	
#18	All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	See Below	
#19	Subcontract of sample(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable	
#20	VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> 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 346486

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Algerita AHR State # 1

30-015-26383

07-OCT-09



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 (E87428), 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)



07-OCT-09

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

Reference: XENCO Report No: 346486
Algerita AHR State # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 346486. 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. 346486 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 346486



Yates Petroleum Corporation, Artesia, NM
Algerita AHR State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Sep-29-09 11:30	4 - 4 In	346486-001
GS/Comp-002	S	Sep-29-09 11:50	1 - 1 ft	346486-002
GS/Comp-003	S	Sep-29-09 12:02	2 - 2 ft	346486-003

CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Algerita AHR State # 1

Project ID: 30-015-26383

Report Date: 07-OCT-09

Work Order Number: 346486

Date Received: 09/30/2009

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-775057 Percent Moisture

AD2216A

Batch 775057, Percent Moisture RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 346486-002, -003, -001.

Batch: LBA-775494 TPH by SW 8015B

None

Batch: LBA-775555 BTEX-MTBE EPA 8021B

SW8021BM

Batch 775555, Benzene, Ethylbenzene, Toluene, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. m,p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 346486-001.

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

SW8021BM

Batch 775555, 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 346486-001.

CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Algerita AHR State # 1

Project ID: 30-015-26383
Work Order Number: 346486

Report Date: 07-OCT-09
Date Received: 09/30/2009

Batch: LBA-775956 BTEX-MTBE EPA 8021B
SW8021BM

Batch 775956, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 346486-002,346486-003.

SW8021BM

Batch 775956, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 346486-003, -002.
The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits



Certificate of Analysis Summary 346486

Yates Petroleum Corporation, Artesia, NM

Project Name: Algeita AHR State # 1



Project Id: 30-015-26383
 Contact: Robert Asher
 Project Location: Eddy County

Date Received in Lab: Wed Sep-30-09 09:35 am
 Report Date: 07-OCT-09
 Project Manager: Brent Barron, II

Analysis Requested		Lab Id:	346486-001	346486-002	346486-003
Field Id:		GS/Comp-001	GS/Comp-002	GS/Comp-003	
Depth:		4-4 In	1-1 ft	2-2 ft	
Matrix:		SOIL	SOIL	SOIL	
Sampled:		Sep-29-09 11:30	Sep-29-09 11:50	Sep-29-09 12:02	
BTEX by EPA 8021B	Extracted:	Oct-02-09 16:15	Oct-06-09 10:00	Oct-06-09 10:00	
	Analyzed:	Oct-03-09 17:18	Oct-06-09 14:58	Oct-06-09 14:16	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	
		ND 0.0204	ND 0.5684	ND 0.2372	
		0.0424 0.0407	9.355 1.137	14.48 0.4745	
Percent Moisture		0.0419 0.0204	4.558 0.5684	5.144 0.2372	
		1.552 0.0407	71.12 1.137	60.64 0.4745	
		0.6083 0.0204	16.78 0.5684	13.83 0.2372	
		2.160 0.0204	87.90 0.5684	74.47 0.2372	
		2.245 0.0204	101.81 0.5684	94.09 0.2372	
TPH By SW8015B Mod	Extracted:	Oct-01-09 10:10	Oct-01-09 10:10	Oct-01-09 10:10	
	Analyzed:	% RL	% RL	% RL	
	Units/RL:	1.96 1.00	12.0 1.00	15.7 1.00	
C6-C10 Gasoline Range Hydrocarbons	Extracted:	Oct-04-09 13:36	Oct-04-09 13:36	Oct-04-09 13:36	
	Analyzed:	Oct-05-09 04:04	Oct-05-09 04:30	Oct-05-09 04:54	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	
C10-C28 Diesel Range Hydrocarbons		279 153	3010 171	3480 178	
		1060 153	713 171	633 178	
		1339 153	3723 171	4113 178	
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.

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

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

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

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

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

Client: Yates Petroleum
Date/ Time: 9.30.09 9:35
Lab ID #: 346486
Initials: al

Sample Receipt Checklist

Client Initials

	Yes	No	Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	16 °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 Cool Ltd.
#9 Container label(s) legible and intact?	(Yes)	No	Not Applicable
#10 Sample mark/ 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 Preservation 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

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

nkmw 11163366

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 Algerita AHR State #1	API Number 30-015-26383	Facility Type Battery
Surface Owner State	Mineral Owner State	Lease No. NM-653V-253192

LOCATION OF RELEASE.

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	16	20S	24E	1980	North	660	East	Eddy

Latitude 32.57553 Longitude 104.58654

NATURE OF RELEASE

Type of Release Condensate	Volume of Release 20 B/C	Volume Recovered 0 B/C
Source of Release Production tank	Date and Hour of Occurrence 8/12/2009 - AM	Date and Hour of Discovery 8/12/2009 - PM
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.* Hole in production tank. Vacuum truck called.		

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 15' X 15'. Source of release isolated and corrected. Vacuum truck removed remaining condensate and transferred to another tank at the battery. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX. If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approximately 400', per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.

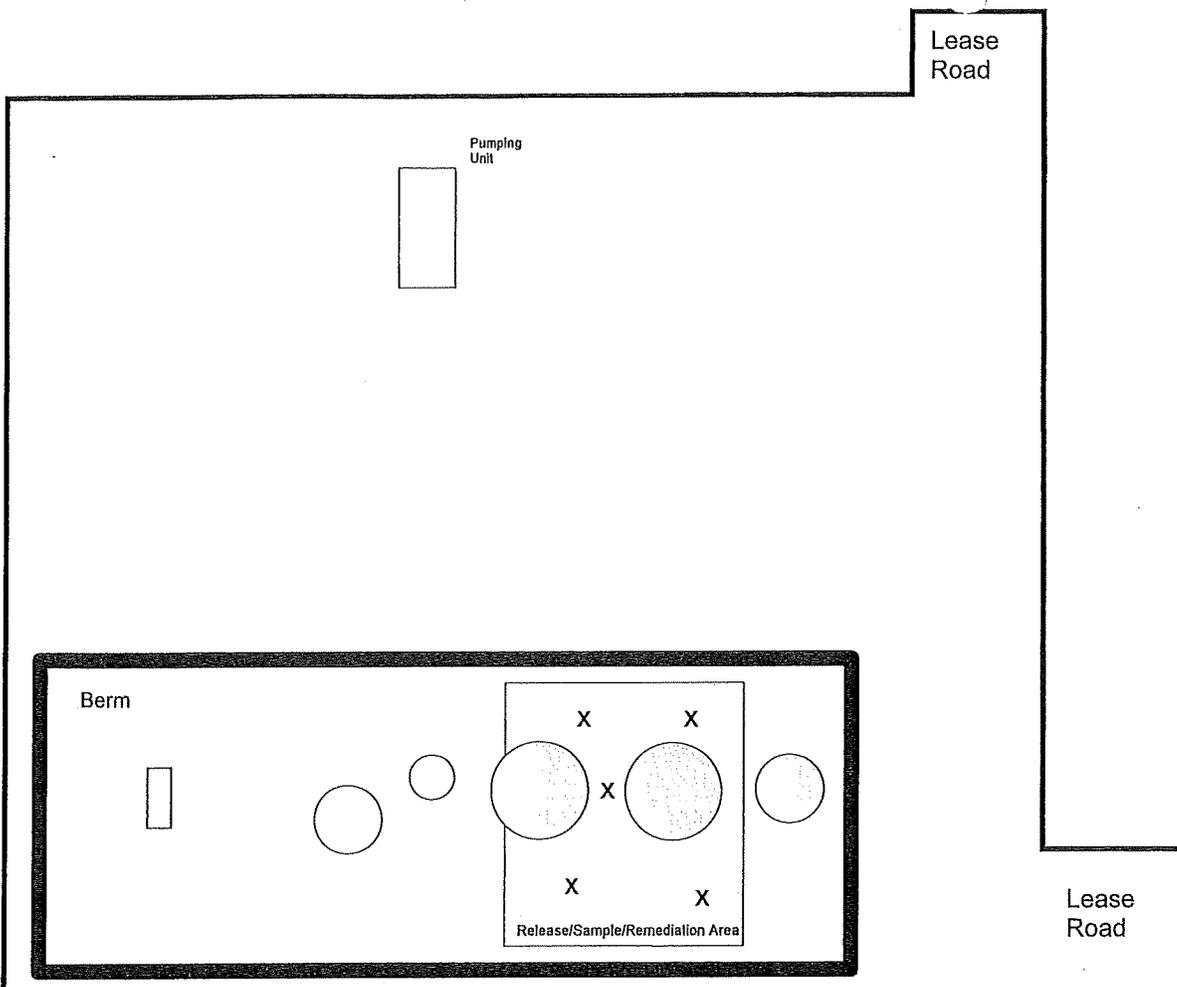
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor: Signed By:	
Title: Environmental Regulatory Agent	Approval Date: <u>4/25/11</u>	Expiration Date:
E-mail Address: boba@yatespetroleum.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: Friday, August 21, 2009 Phone: 575-748-4217	Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:	

Attach Additional Sheets If Necessary

5/25/11

2RP-760



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
GS/Comp-001	9/29/2009	Grab/Auger	4"	2.245	279	1060	1339
GS/Comp-002	9/29/2009	Grab/Auger	1'	101.810	3010	713	3723
GS/Comp-003	9/29/2009	Grab/Auger	2'	94.090	3480	633	4113
Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
GS/Comp-001	1/25/2010	Grab/Auger	1'	23.673	245	58.3	303.3
GS/Comp-002	1/25/2010	Grab/Auger	2'	82.900	2960	181	3141
Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
GS/Comp-001	5/18/2010	Grab/Auger	1'	1.872	63.4	34.7	98.1
GS/Comp-002	5/18/2010	Grab/Auger	2'	11.310	774	902	1676
GS/Comp-003	5/18/2010	Grab/Auger	3'	16.280	660	43.5	703.5

Site Ranking is Zero (0). Depth to Ground Water >100' (approx.400', per NMOSE).
 All results are ppm.



Algerita AHR State #1
 30-015-26383
 Section 16, T20S-R24E
 Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)
 Xenco Report #: 346486
 Report Date: 10/7/20089
 Xenco Report #: 360032
 Report Date: 2/1/2009
 Xenco Report #: 373728
 Report Date: 5/26/2010
 Prepared by Robert Asher
 Environmental Regulatory Agent

Analytical Report 373728

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Algerita AHR State # 1

30-015-26383

26-MAY-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

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

Xenco-Atlanta (EPA Lab Code: GA00046):

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

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

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

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

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

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

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

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

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



26-MAY-10

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

Reference: XENCO Report No: 373728
Algerita AHR State # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 373728. 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. 373728 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 373728



Yates Petroleum Corporation, Artesia, NM
Algerita AHR State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	May-18-10 11:05	1 - 1 ft	373728-001
GS/Comp-002	S	May-18-10 11:24	2 - 2 ft	373728-002
GS/Comp-003	S	May-18-10 11:45	3 - 3 ft	373728-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Algerita AHR State # 1



Project ID: 30-015-26383
Work Order Number: 373728

Report Date: 26-MAY-10
Date Received: 05/20/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-807506 Percent Moisture

None

Batch: LBA-807718 TPH by SW 8015B

None

Batch: LBA-808178 BTEX by EPA 8021
SW8021BM

Batch 808178, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 373728-001,373728-003,373728-002.

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

Samples affected are: 373728-001.

SW8021BM

Batch 808178, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 373728-002, -001, -003.

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



Certificate of Analysis Summary 373728

Yates Petroleum Corporation, Artesia, NM
Project Name: Algerita AHR State # 1



Date Received in Lab: Thu May-20-10 09:30 am
Report Date: 26-MAY-10
Project Manager: Brent Barron, II

Project Id: 30-015-26383
Contact: Robert Asher
Project Location: Eddy County

Analysis Requested	Lab Id:	373728-001	373728-002	373728-003
	Field Id:	GS/Comp-001	GS/Comp-002	GS/Comp-003
	Depth:	1-1 ft	2-2 ft	3-3 ft
	Matrix:	SOIL	SOIL	SOIL
	Sampled:	May-18-10 11:05	May-18-10 11:24	May-18-10 11:45
BTEX by EPA 8021	Extracted:	May-25-10 15:15	May-25-10 15:15	May-25-10 15:15
	Analyzed:	May-26-10 00:05	May-26-10 00:27	May-26-10 00:49
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL
		ND 0.0225	ND 0.5981	ND 0.5774
Percent Moisture		0.0586 0.0449	ND 1.196	1.420 1.155
		0.1551 0.0225	0.6699 0.5981	0.6871 0.5774
		1.149 0.0449	6.764 1.196	10.33 1.155
		0.5095 0.0225	3.876 0.5981	3.839 0.5774
		1.659 0.0225	10.640 0.5981	14.17 0.5774
		1.872 0.0225	11.310 0.5981	16.28 0.5774
TPH by SW 8015B	Extracted:	May-20-10 17:00	May-20-10 17:00	May-20-10 17:00
	Analyzed:	% RL	% RL	% RL
	Units/RL:	10.9 1.00	16.4 1.00	13.4 1.00
		May-21-10 10:30	May-21-10 10:30	May-21-10 10:30
C6-C10 Gasoline Range Hydrocarbons	Analyzed:	May-21-10 16:53	May-21-10 17:21	May-21-10 17:49
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL
		63.4 16.8	77.4 89.3	660 17.3
C10-C28 Diesel Range Hydrocarbons		34.7 16.8	128 89.3	43.5 17.3
	Total TPH	98.1 16.8	902 89.3	704 17.3

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.

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

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



Form 2 - Surrogate Recoveries

Project Name: Algertita AHR State # 1

Work Orders : 373728,

Project ID: 30-015-26383

Lab Batch #: 808178

Sample: 564220-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 05/25/10 15:50	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 808178

Sample: 564220-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 05/25/10 16:13	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 808178

Sample: 564220-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 05/25/10 17:21	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0247	0.0300	82	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 808178

Sample: 373728-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg	Date Analyzed: 05/26/10 00:05	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0203	0.0300	68	80-120	**
4-Bromofluorobenzene	0.0617	0.0300	206	80-120	**

Lab Batch #: 808178

Sample: 373728-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg	Date Analyzed: 05/26/10 00:27	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0236	0.0300	79	80-120	**
4-Bromofluorobenzene	0.0354	0.0300	118	80-120	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 373728,

Project ID: 30-015-26383

Lab Batch #: 808178

Sample: 373728-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg Date Analyzed: 05/26/10 00:49

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0231	0.0300	77	80-120	**
4-Bromofluorobenzene	0.0359	0.0300	120	80-120	

Lab Batch #: 808178

Sample: 373911-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg Date Analyzed: 05/26/10 02:19

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0265	0.0300	88	80-120	

Lab Batch #: 808178

Sample: 373911-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg Date Analyzed: 05/26/10 02:41

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0272	0.0300	91	80-120	

Lab Batch #: 807718

Sample: 563955-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg Date Analyzed: 05/21/10 15:30

SURROGATE RECOVERY STUDY					
TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Limits %R	Flags
1-Chlorooctane	87.0	101	86	70-135	
o-Terphenyl	47.0	50.3	93	70-135	

Lab Batch #: 807718

Sample: 563955-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg Date Analyzed: 05/21/10 15:58

SURROGATE RECOVERY STUDY					
TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.8	100	88	70-135	
o-Terphenyl	47.7	50.1	95	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 373728,
Lab Batch #: 807718

Sample: 563955-1-BLK / BLK

Project ID: 30-015-26383
Batch: 1 Matrix: Solid

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 05/21/10 16:26	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH by SW 8015B						
Analytes						
1-Chlorooctane		88.2	99.9	88	70-135	
o-Terphenyl		52.1	50.0	104	70-135	

Lab Batch #: 807718

Sample: 373728-001 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 05/21/10 16:53	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH by SW 8015B						
Analytes						
1-Chlorooctane		81.0	99.9	81	70-135	
o-Terphenyl		48.4	50.0	97	70-135	

Lab Batch #: 807718

Sample: 373728-002 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 05/21/10 17:21	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH by SW 8015B						
Analytes						
1-Chlorooctane		74.8	99.5	75	70-135	
o-Terphenyl		44.4	49.8	89	70-135	

Lab Batch #: 807718

Sample: 373728-003 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 05/21/10 17:49	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH by SW 8015B						
Analytes						
1-Chlorooctane		75.1	100	75	70-135	
o-Terphenyl		44.6	50.1	89	70-135	

Lab Batch #: 807718

Sample: 373728-001 S / MS

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 05/21/10 19:38	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH by SW 8015B						
Analytes						
1-Chlorooctane		77.9	99.8	78	70-135	
o-Terphenyl		44.0	49.9	88	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 373728;

Project ID: 30-015-26383

Lab Batch #: 807718

Sample: 373728-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/21/10 20:05

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
I-Chlorooctane	81.6	100	82	70-135	
o-Terphenyl	45.1	50.2	90	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Project Name: Algorta AHR State # 1

Work Order #: 373728

Project ID: 30-015-26383

Analyst: ASA

Date Analyzed: 05/25/2010

Lab Batch ID: 808178

Date Prepared: 05/25/2010

Sample: 564220-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BTEX by EPA 8021	ND	0.1000	0.1073	107	0.1	0.1079	108	1	70-130	35	
Benzene	ND	0.1000	0.1063	106	0.1	0.1070	107	1	70-130	35	
Toluene	ND	0.1000	0.1075	108	0.1	0.1086	109	1	71-129	35	
Ethylbenzene	ND	0.2000	0.2157	108	0.2	0.2183	109	1	70-135	35	
m,p-Xylenes	ND	0.1000	0.1063	106	0.1	0.1081	108	2	71-133	35	
o-Xylene	ND										

Date Prepared: 05/21/2010

Date Analyzed: 05/21/2010

Analyst: BEV

Lab Batch ID: 807718

Batch #: 1

Sample: 563955-1-BKS

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH by SW 8015B	ND	1010	1040	103	1000	1040	104	0	70-135	35	
C6-C10 Gasoline Range Hydrocarbons	ND	1010	764	76	1000	714	71	7	70-135	35	
C10-C28 Diesel Range Hydrocarbons	ND										

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
 Blank Spike Recovery [D] = 100*(C)/[B]
 Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
 All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: **Algerita-AHR State # 1**

Project ID: 30-015-26383

Work Order #: 373728

Lab Batch ID: 808178

Date Analyzed: 05/26/2010

Reporting Units: mg/kg

QC-Sample ID: 373911-001 S

Date Prepared: 05/25/2010

Batch #: 1

Analyst: ASA

Matrix: Soil

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spiked Sample Result [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BTEX by EPA 8021											
Benzene	ND	1.1216	0.0513	42	0.1221	0.0541	44	5	70-130	35	X
Toluene	ND	1.1216	0.0394	32	0.1221	0.0415	34	5	70-130	35	X
Ethylbenzene	ND	1.1216	0.0276	23	0.1221	0.0304	25	10	71-129	35	X
m,p-Xylenes	ND	0.2432	0.0331	14	0.2442	0.0410	17	21	70-135	35	X
o-Xylene	ND	0.1216	0.0172	14	0.1221	0.0218	18	24	71-133	35	X

QC-Sample ID: 373728-001 S

Date Prepared: 05/21/2010

Batch #: 1

Analyst: BEV

Matrix: Soil

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spiked Sample Result [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH by SW 8015B											
C6-C10 Gasoline Range Hydrocarbons	63.4	1120	1060	89	1130	1090	91	3	70-135	35	
C10-C28 Diesel Range Hydrocarbons	34.7	1120	908	78	1130	1030	88	13	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
 Relative Percent Difference RPD = 200*(C-B)/(C+B)

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interferents, NA = Not Applicable
 N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Algerita AHR State # 1

Work Order #: 373728

Lab Batch #: 807506

Project ID: 30-015-26383

Date Analyzed: 05/20/2010

Date Prepared: 05/20/2010

Analyst: JLG

QC- Sample ID: 373709-001 D

Batch #: 1

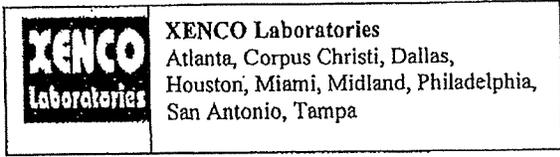
Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	8.46	6.91	20	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit



Document Title: Sample Receipt Checklist
 Document No.: SYS - SRC
 Revision/Date : No.00 , 05/18/10
 Effective Date: 05/20/10
 Page No.: 1 of 1

Prelogin / Nonconformance Report – Sample Log-In

Client: Yates Petroleum
 Date/Time: 5.20.10 9:30
 Lab ID #: 373728
 Initials: AL

Sample Receipt Checklist

1. Sample 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, <u>(cooler)</u> and <u>bottles</u> ?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample lable(s)?	<u>Yes</u>	No		
9. Container labels legible 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)?	<u>Yes</u>	No	<u>N/A</u>	
17. Voc sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>3.0</u>	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



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

Document Title: Sample Receipt Checklist
 Document No.: SYS - SRC
 Revision/Date : No.00 , 05/18/10
 Effective Date: 05/20/10
 Page No.: 1 of 1

Prelogin / Nonconformance Report – Sample Log-In

Client: Yates Petroleum
 Date/Time: 5.20.10 9:30
 Lab ID #: 373728
 Initials: AL

Sample Receipt Checklist

1. Sample 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 (<u>cooler</u>) and (<u>bottles</u>)?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample lable(s)?	<u>Yes</u>	No		
9. Container labels legible 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)?	<u>Yes</u>	No	<u>N/A</u>	
17. Voc sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>3.0</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

1 Acct #	: BOB A.	Date: 05-19-10	9 lb 6.5 oz	Base :\$	37.2
6 Cust #	: ENVIRONMENTAL LABS			Spco S:\$	3.1
0 Zip/Zone:	79765 / 3			Addl :\$	0.0
1 Trk #	: 793557890499				
7 Pkg ID #:	1431			Total \$	40.3

Analytical Report 360032

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Algerita AHR State # 1

30-015-26383

01-FEB-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)



01-FEB-10

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

Reference: XENCO Report No: 360032
Algerita AHR State # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 360032. 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. 360032 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 360032



Yates Petroleum Corporation, Artesia, NM
Algerita AHR State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-002	S	Jan-25-10 14:20	1 - 1 ft	360032-001
GS/Comp-003	S	Jan-25-10 14:40	2 - 2 ft	360032-002

CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Algerita AHR State # 1

Project ID: 30-015-26383

Report Date: 01-FEB-10

Work Order Number: 360032

Date Received: 01/27/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-791199 Percent Moisture

None

Batch: LBA-791430 TPH by SW 8015B

None

Batch: LBA-791711 BTEX by EPA 8021

SW8021BM

Batch 791711, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 360032-002.

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

Samples affected are: 360032-001,360032-002.



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.

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

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

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



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 360032,
Lab Batch #: 791711

Project ID: 30-015-26383

Sample: 549007-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 01/30/10 11:11	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0317	0.0300	106	80-120	
4-Bromofluorobenzene	0.0300	0.0300	100	80-120	

Lab Batch #: 791711

Sample: 549007-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 01/30/10 11:34	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0319	0.0300	106	80-120	
4-Bromofluorobenzene	0.0312	0.0300	104	80-120	

Lab Batch #: 791711

Sample: 549007-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 01/30/10 12:45	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0258	0.0300	86	80-120	
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 791711

Sample: 360032-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg	Date Analyzed: 01/30/10 17:43	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0242	0.0300	81	80-120	
4-Bromofluorobenzene	0.0413	0.0300	138	80-120	**

Lab Batch #: 791711

Sample: 360032-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg	Date Analyzed: 01/30/10 19:39	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0180	0.0300	60	80-120	**
4-Bromofluorobenzene	0.0971	0.0300	324	80-120	**

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 360032,

Project ID: 30-015-26383

Lab Batch #: 791711

Sample: 360362-003 D / MD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/30/10 20:25

SURROGATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0252	0.0300	84	80-120	
4-Bromofluorobenzene	0.0326	0.0300	109	80-120	

Lab Batch #: 791430

Sample: 548850-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/28/10 21:08

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	99.7	113	70-135	
o-Terphenyl	54.1	49.9	108	70-135	

Lab Batch #: 791430

Sample: 548850-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/28/10 21:35

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	53.1	50.2	106	70-135	

Lab Batch #: 791430

Sample: 548850-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/29/10 08:04

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.8	100	99	70-135	
o-Terphenyl	56.3	50.1	112	70-135	

Lab Batch #: 791430

Sample: 360032-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/29/10 08:30

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	99.9	106	70-135	
o-Terphenyl	56.7	50.0	113	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 360032,

Project ID: 30-015-26383

Lab Batch #: 791430

Sample: 360032-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/29/10 08:57

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	99.6	102	70-135	
o-Terphenyl	61.4	49.8	123	70-135	

Lab Batch #: 791430

Sample: 360032-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/29/10 09:24

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	99.7	102	70-135	
o-Terphenyl	39.9	49.9	80	70-135	

Lab Batch #: 791430

Sample: 360032-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/29/10 09:51

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.7	111	70-135	
o-Terphenyl	41.3	49.9	83	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: Algerita AHR State # 1

Work Order #: 360032

Project ID: 30-015-26383

Analyst: ASA

Date Prepared: 01/29/2010

Date Analyzed: 01/30/2010

Lab Batch ID: 791711

Batch #: 1

Sample: 549007-1-BKS

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BTEX by EPA 8021											
Benzene	ND	0.1000	0.1133	113	0.1	0.1135	114	0	70-130	35	
Toluene	ND	0.1000	0.1158	116	0.1	0.1159	116	0	70-130	35	
Ethylbenzene	ND	0.1000	0.1124	112	0.1	0.1135	114	1	71-129	35	
m,p-Xylenes	ND	0.2000	0.2264	113	0.2	0.2283	114	1	70-135	35	
o-Xylene	ND	0.1000	0.1169	117	0.1	0.1176	118	.1	71-133	35	

Analyst: BEV

Date Prepared: 01/28/2010

Date Analyzed: 01/28/2010

Lab Batch ID: 791430

Batch #: 1

Sample: 548850-1-BKS

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH by SW 8015B											
C6-C10 Gasoline Range Hydrocarbons	ND	997	855	86	1000	838	84	2	70-135	35	
C10-C28 Diesel Range Hydrocarbons	ND	997	851	85	1000	819	82	4	70-135	35	

Relative Percent Difference RPD = 200*[(C-F)/(C+F)]
 Blank Spike Recovery [D] = 100*(C)/[B]
 Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
 All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries

Project Name: Algerita AHR State # 1

Work Order #: 360032
 Lab Batch ID: 791430
 Date Analyzed: 01/29/2010
 Reporting Units: mg/kg
 Project ID: 30-015-26383
 QC-Sample ID: 360032-001 S
 Date Prepared: 01/28/2010
 Batch #: 1
 Matrix: Soil
 Analyst: BEY

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	245	1140	1520	112	1140	1730	130	13	70-135	35	
C10-C28 Diesel Range Hydrocarbons	58.3	1140	934	77	1140	1250	105	29	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
 Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
 ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
 N = See Narrative, EQL = Estimated Quantitation Limit
 Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Sample Duplicate Recovery



Project Name: Algerita AHR State # 1

Work Order #: 360032

Lab Batch #: 791711
 Date Analyzed: 01/30/2010
 QC- Sample ID: 360362-003 D

Date Prepared: 01/29/2010
 Batch #: 1

Project ID: 30-015-26383
 Analyst: ASA
 Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
BTEX by EPA 8021	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Benzene	ND	ND	NC	35	
Toluene	ND	ND	NC	35	
Ethylbenzene	ND	ND	NC	35	
m,p-Xylenes	ND	ND	NC	35	
o-Xylene	ND	ND	NC	35	

Lab Batch #: 791199
 Date Analyzed: 01/28/2010
 QC- Sample ID: 360032-001 D

Date Prepared: 01/28/2010
 Batch #: 1

Analyst: WRU
 Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	12.8	14.3	11	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Manager: Robert Asher Cooler # YPC001 Project Name: Algerita AHR State #1
 Company Name: Yates Petroleum Corporation Project #: 30-015-26383
 Company Address: 105 South 4th Street Project Loc: Eddy County
 City/State/Zip: Artesia, NM 88210 PO #: 105632
 Telephone No: 575-748-4217 Fax No: 575-748-4662 Report Format: Standard TRRP NPDES
 Sampler Signature: *Robert Asher* e-mail: boba@yatespetroleum.com

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers		Matrix	Analyze For:
								GW = Groundwater S=Skids	DW=Drinking Water SL=Skids		
01	GS/Comp-002	1'	1'	1/25/2010	2:20 PM		1	X	S	S	TPH: 418.1 8015M 8015B TPH: TX 1005 TX 1008 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) SAR/ESP /CEC Molals: As Ag Ba Cd Cr Pb Hg Se Volatiles Semi-volatiles BTEX 8021B/5030 or BTEX 8260 Chlorides N.O.R.M. RUSH TAT (Pre-clude) 2A, 4B, 7Z hrs
02	GS/Comp-003	2'	2'	1/25/2010	2:40 PM		1	X	S	S	TPH: 418.1 8015M 8015B TPH: TX 1005 TX 1008 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) SAR/ESP /CEC Molals: As Ag Ba Cd Cr Pb Hg Se Volatiles Semi-volatiles BTEX 8021B/5030 or BTEX 8260 Chlorides N.O.R.M. RUSH TAT (Pre-clude) 2A, 4B, 7Z hrs

Special Instructions: **TPH: 8015B & BTEX: 8021B. Please show ALL results as mg/kg. Thank you.**

Relinquished by: Paul YPC Date: 01/26/10 Time: 2:47 PM Received by: _____ Date: _____ Time: _____
 Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____
 Relinquished by: Fidel Date: 1-27-10 Time: 9:48 Received by: Andrea Feim Date: _____ Time: _____

Laboratory Comments:
 Sample Container's Initial: _____
 VOCs Free of Headspace? N
 Custody seals on container(s) N
 Custody seals on bottles N
 Sample Hand Delivered N
 By Sampler/Client Rep. ? N
 by Courier? N UPS N DHL N Fedex N Lone Star N
 Temperature Upon Receipt: 1.6 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum
 Date/ Time: 1-27-10 9:48
 Lab ID #: 360032
 Initials: AL

Sample Receipt Checklist

Client Initials

#	Question	Yes	No	Response	Client Initials
#1	Temperature of container/ cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.6 °C	
#2	Shipping container in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#3	Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Present	
#5	Chain of Custody present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#6	Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#7	Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#8	Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#11	Containers supplied by ELOT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#12	Samples in proper container/ bottle?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below	
#13	Samples properly preserved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below	
#14	Sample bottles intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#15	Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#16	Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#17	Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below	
#18	All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below	
#19	Subcontract of sample(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Applicable	
#20	VOC samples have zero headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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

Acct # : BOB A. Date: 01-26-10 9 lb 3.399994 oz
Base :\$ 37.21

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986

S.P. YATES
1914-2008



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

JOHN A. YATES
CHAIRMAN OF THE BOARD
PRESIDENT

JOHN A. YATES JR.
ASSISTANT TO THE PRESIDENT

JAMES S. BROWN
CHIEF OPERATING OFFICER

JOHN D. PERINI
CHIEF FINANCIAL OFFICER

November 3, 2009

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

Re: Algerita AHR State #1
30-015-26383
Section 16, T20S-R24E
Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corporation would like to submit the following corrective action plan for the above captioned well. Samples were taken (9/29/2009) and results are indicated on the enclosed sample diagram, with total BTEX above the 50 ppm limit. Because of the elevated BTEX, Yates had a contractor apply nitrogen fertilizer (at a rate of 1/4 lb. per square yard of the release area), used a mini excavator to aerate and work the fertilizer into the soils (approximately 24" deep) and water as a measure of remediation. Yates will take soil samples within the effected area in ninety (90) days. These samples will be sent to a certified lab and analyzed for BTEX. If levels for BTEX are below RRAL's, Yates will submit a Final Report, C-141 requesting closure of the site.

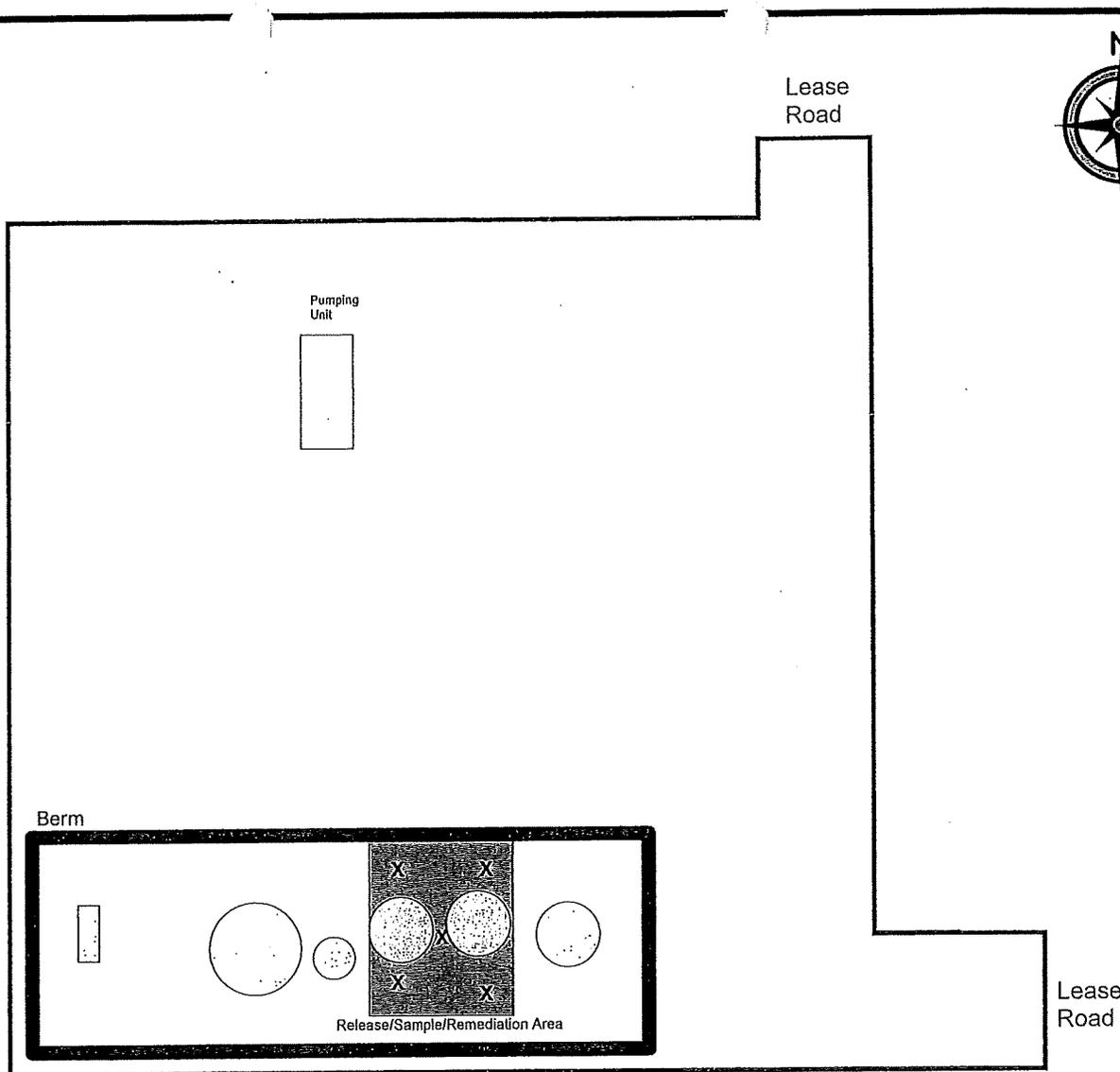
If you have any questions call me at (575) 748-4217.

Thank you.

YATES PETROLEUM CORPROATION

Robert Asher
Environmental Regulatory Agent

Enclosure(s)



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
GS/Comp-001	10/7/2009	Grab/Auger	4"	2.245	279	1060	1339
GS/Comp-002	10/7/2009	Grab/Auger	1'	101.810	3010	713	3723
GS/Comp-003	10/7/2009	Grab/Auger	2'	94.090	3480	633	4113

Site Ranking is Zero (0).
 Depth to Ground Water >100' (approx. 400', per NM Office of the State Engineer).
 All results are ppm.



Algerita AHR State #1
 30-015-26383
 Section 16, T20S-R24E
 Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)
 Xenco Laboratories: #346486
 Report Date: 10/7/2009
 Prepared by Robert Asher
 Environmental Regulatory Agent

Analytical Report 346486

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Algerita AHR State # 1

30-015-26383

07-OCT-09



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 (LA000308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), 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)



07-OCT-09

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

Reference: XENCO Report No: 346486
Algerita AHR State # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 346486. 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. 346486 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 346486



Yates Petroleum Corporation, Artesia, NM
Algerita AHR State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Sep-29-09 11:30	4 - 4 In	346486-001
GS/Comp-002	S	Sep-29-09 11:50	1 - 1 ft	346486-002
GS/Comp-003	S	Sep-29-09 12:02	2 - 2 ft	346486-003

CASE NARRATIVE



Client Name: Yates Petroleum Corporation
Project Name: Algerita AHR State # 1

Project ID: 30-015-26383
Work Order Number: 346486

Report Date: 07-OCT-09
Date Received: 09/30/2009

Sample receipt non conformances and Comments:
None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-775057 Percent Moisture
AD2216A

Batch 775057, Percent Moisture RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 346486-002, -003, -001.

Batch: LBA-775494 TPH by SW 8015B
None

Batch: LBA-775555 BTEX-MTBE EPA 8021B
SW8021BM

Batch 775555, Benzene, Ethylbenzene, Toluene, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. m,p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 346486-001.

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

SW8021BM

Batch 775555, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 346486-001.

CASE NARRATIVE



Client Name: Yates Petroleum Corporation
Project Name: Algerita AHR State # 1

Project ID: 30-015-26383
Work Order Number: 346486

Report Date: 07-OCT-09
Date Received: 09/30/2009

Batch: LBA-775956 BTEX-MTBE EPA 8021B
SW8021BM

Batch 775956, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 346486-002,346486-003.

SW8021BM

Batch 775956, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 346486-003, -002.
The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits



Certificate of Analysis Summary 346486

Yates Petroleum Corporation, Artesia, NM
Project Name: Algerita AHR State # 1



Project Id: 30-015-26383
 Contact: Robert Asher
 Project Location: Eddy County

Date Received in Lab: Wed Sep-30-09 09:35 am
 Report Date: 07-OCT-09
 Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	346486-001	346486-002	346486-003
	Field Id:	GS/Comp-001	GS/Comp-002	GS/Comp-003
Depth:	4-4 In	1-1 ft	2-2 ft	
Matrix:	SOIL	SOIL	SOIL	
Sampled:	Sep-29-09 11:30	Sep-29-09 11:50	Sep-29-09 12:02	
Extracted:	Oct-02-09 16:15	Oct-06-09 10:00	Oct-06-09 10:00	
Analyzed:	Oct-03-09 17:18	Oct-06-09 14:58	Oct-06-09 14:16	
Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene	ND 0.0204	ND 0.5684	ND 0.2372	
Toluene	0.0424 0.0407	9.355 1.137	14.48 0.4745	
Ethylbenzene	0.0419 0.0204	4.558 0.5684	5.144 0.2372	
m,p-Xylenes	1.552 0.0407	71.12 1.137	60.64 0.4745	
o-Xylene	0.6083 0.0204	16.78 0.5684	13.83 0.2372	
Total Xylenes	2.160 0.0204	87.90 0.5684	74.47 0.2372	
Total BTEX	2.245 0.0204	101.81 0.5684	94.09 0.2372	
Percent Moisture				
Extracted:				
Analyzed:	Oct-01-09 10:10	Oct-01-09 10:10	Oct-01-09 10:10	
Units/RL:	% RL	% RL	% RL	
Percent Moisture	1.96 1.00	12.0 1.00	15.7 1.00	
TPH By SW8015B Mod				
Extracted:	Oct-04-09 13:36	Oct-04-09 13:36	Oct-04-09 13:36	
Analyzed:	Oct-05-09 04:04	Oct-05-09 04:30	Oct-05-09 04:54	
Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons	279 153	3010 171	3480 178	
C10-C28 Diesel Range Hydrocarbons	1060 153	713 171	633 178	
Total TPH	1339 153	3723 171	4113 178	

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

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

Brent Barron, II
 Odessa Laboratory Manager

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

Client: Yates Petroleum
Date/ Time: 9.30.09 9:35
Lab ID #: 346486
Initials: AL

Sample Receipt Checklist

			Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	1.6 °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

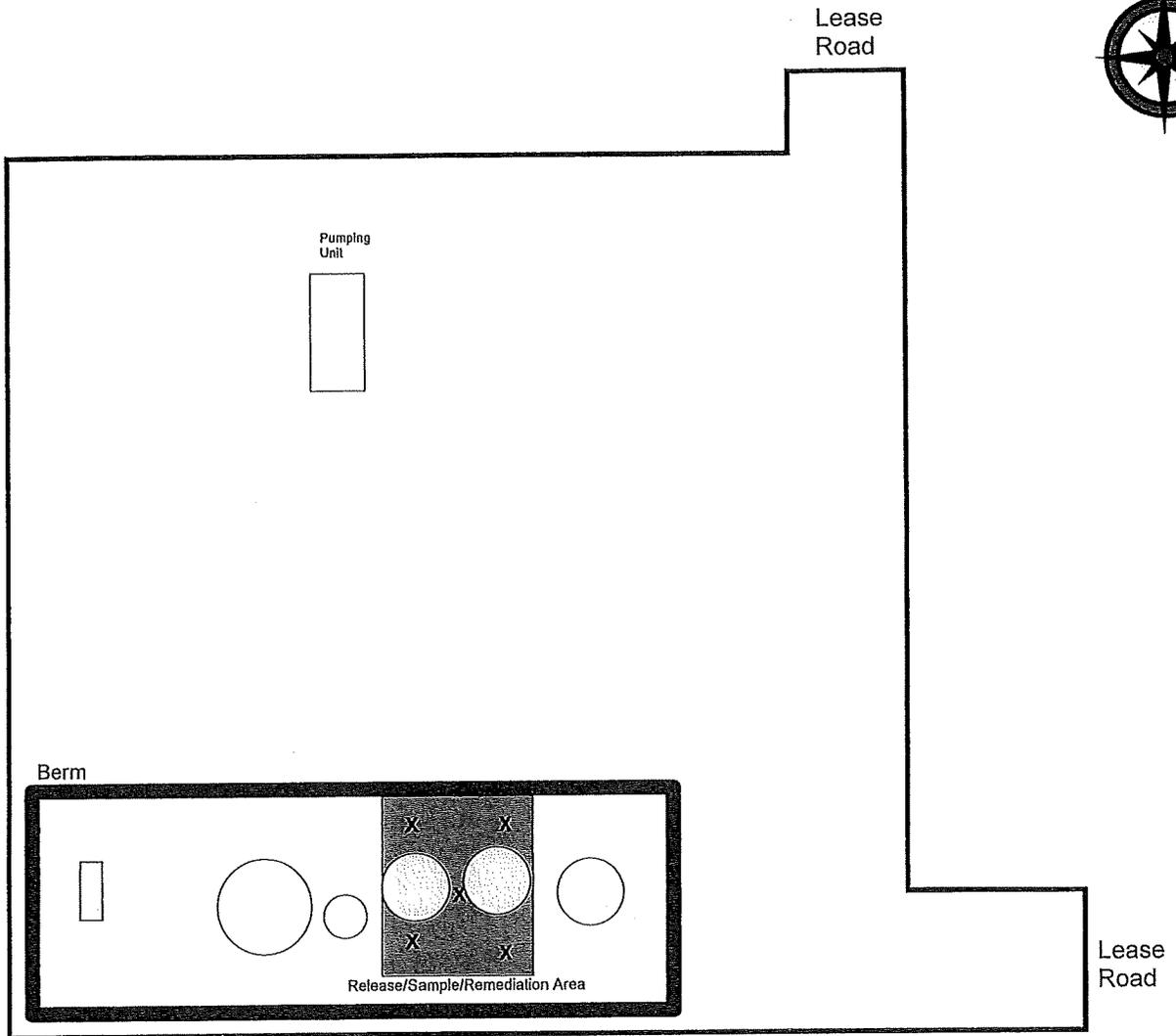
Variance Documentation

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



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL
GS/Grapp-001	10/7/2009	Grab/Auger	4"	2.245	279	1060	1339
GS/Grapp-002	10/7/2009	Grab/Auger	1'	101.810	3010	713	3723
GS/Grapp-003	10/7/2009	Grab/Auger	2'	94.090	3480	633	4113

Site Ranking is Zero (0).

Depth to Ground Water >100' (approx.400', per NM Office of the State Engineer).

All results are ppm.



Algerita AHR State #1

30-015-26383

Section 16, T20S-R24E

Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco Laboratories: #346486

Report Date: 10/7/2009

Prepared by Robert Asher
Environmental Regulatory Agent

Analytical Report 346486

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Algerita AHR State # 1

30-015-26383

07-OCT-09



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 (E87428), 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)



07-OCT-09

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

Reference: XENCO Report No: 346486
Algerita AHR State # 1
Project Address: Eddy County

Robert Asher:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 346486. 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. 346486 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 346486



Yates Petroleum Corporation, Artesia, NM
Algerita AHR State # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Sep-29-09 11:30	4 - 4 In	346486-001
GS/Comp-002	S	Sep-29-09 11:50	1 - 1 ft	346486-002
GS/Comp-003	S	Sep-29-09 12:02	2 - 2 ft	346486-003

CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Algerita AHR State # 1

Project ID: 30-015-26383
Work Order Number: 346486

Report Date: 07-OCT-09
Date Received: 09/30/2009

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-775057 Percent Moisture
AD2216A

Batch 775057, Percent Moisture RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 346486-002, -003, -001.

Batch: LBA-775494 TPH by SW 8015B
None

Batch: LBA-775555 BTEX-MTBE EPA 8021B
SW8021BM

Batch 775555, Benzene, Ethylbenzene, Toluene, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. m,p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 346486-001.

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

SW8021BM

Batch 775555, 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 346486-001.

CASE NARRATIVE



Client Name: Yates Petroleum Corporation
Project Name: Algerita AHR State # 1

Project ID: 30-015-26383
Work Order Number: 346486

Report Date: 07-OCT-09
Date Received: 09/30/2009

Batch: LBA-775956 BTEX-MTBE EPA 8021B
SW8021BM

Batch 775956, 4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 346486-002,346486-003.

SW8021BM

Batch 775956, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 346486-003, -002.
The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits



Certificate of Analysis Summary 346486

Yates Petroleum Corporation, Artesia, NM
Project Name: Algerita AHR State # 1



Date Received in Lab: Wed Sep-30-09 09:35 am
Report Date: 07-OCT-09
Project Manager: Brent Barron, II

Project Id: 30-015-26383
Contact: Robert Asher
Project Location: Eddy County

Analysis Requested		Lab Id:	346486-001	346486-002	346486-003
		Field Id:	GS/Comp-001	GS/Comp-002	GS/Comp-003
		Depth:	4-4 In	1-1 ft	2-2 ft
		Matrix:	SOIL	SOIL	SOIL
		Sampled:	Sep-29-09 11:30	Sep-29-09 11:50	Sep-29-09 12:02
BTEX by EPA 8021B		Extracted:	Oct-02-09 16:15	Oct-06-09 10:00	Oct-06-09 10:00
		Analyzed:	Oct-03-09 17:18	Oct-06-09 14:58	Oct-06-09 14:16
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL
			ND 0.0204	ND 0.5684	ND 0.2372
			0.0424 0.0407	9.355 1.137	14.48 0.4745
			0.0419 0.0204	4.558 0.5684	5.144 0.2372
			1.552 0.0407	71.12 1.137	60.64 0.4745
			0.6083 0.0204	16.78 0.5684	13.83 0.2372
			2.160 0.0204	87.90 0.5684	74.47 0.2372
			2.245 0.0204	101.81 0.5684	94.09 0.2372
Percent Moisture		Extracted:			
		Analyzed:	Oct-01-09 10:10	Oct-01-09 10:10	Oct-01-09 10:10
		Units/RL:	% RL	% RL	% RL
			1.96 1.00	12.0 1.00	15.7 1.00
TPH By SW8015B Mod		Extracted:	Oct-04-09 13:36	Oct-04-09 13:36	Oct-04-09 13:36
		Analyzed:	Oct-05-09 04:04	Oct-05-09 04:30	Oct-05-09 04:54
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL
			279 153	3010 171	3480 178
C6-C10 Gasoline Range Hydrocarbons			1060 153	713 171	633 178
C10-C28 Diesel Range Hydrocarbons			1339 153	3723 171	4113 178
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.

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

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

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

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



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 346486,

Project ID: 30-015-26383

Lab Batch #: 775555

Sample: 539581-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 10/03/09 08:13	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	80-120	
4-Bromofluorobenzene	0.0293	0.0300	98	80-120	

Lab Batch #: 775555

Sample: 539581-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 10/03/09 08:34	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

Lab Batch #: 775555

Sample: 539581-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg	Date Analyzed: 10/03/09 09:16	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0268	0.0300	89	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 775555

Sample: 346486-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg	Date Analyzed: 10/03/09 17:18	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0246	0.0300	82	80-120	
4-Bromofluorobenzene	0.0504	0.0300	168	80-120	**

Lab Batch #: 775555

Sample: 346856-006 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg	Date Analyzed: 10/03/09 18:21	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Item 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 346486,

Project ID: 30-015-26383

Lab Batch #: 775555

Sample: 346856-006 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/03/09 18:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0322	0.0300	107	80-120	

Lab Batch #: 775956

Sample: 539827-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/06/09 12:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 775956

Sample: 539827-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/06/09 12:51

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 775956

Sample: 539827-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/06/09 13:34

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0268	0.0300	89	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 775956

Sample: 346486-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/06/09 14:16

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0245	0.0300	82	80-120	
4-Bromofluorobenzene	0.0471	0.0300	157	80-120	**

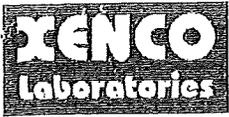
* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 346486,

Project ID: 30-015-26383

Lab Batch #: 775956

Sample: 346486-002 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/06/09 14:58	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
BTEX by EPA 8021B						
Analytes						
1,4-Difluorobenzene		0.0241	0.0300	80	80-120	
4-Bromofluorobenzene		0.0373	0.0300	124	80-120	**

Lab Batch #: 775956

Sample: 347080-002 S / MS

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/06/09 19:14	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
BTEX by EPA 8021B						
Analytes						
1,4-Difluorobenzene		0.0300	0.0300	100	80-120	
4-Bromofluorobenzene		0.0335	0.0300	112	80-120	

Lab Batch #: 775956

Sample: 347080-002 SD / MSD

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/06/09 19:35	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
BTEX by EPA 8021B						
Analytes						
1,4-Difluorobenzene		0.0299	0.0300	100	80-120	
4-Bromofluorobenzene		0.0326	0.0300	109	80-120	

Lab Batch #: 775494

Sample: 539547-1-BKS / BKS

Batch: 1 Matrix: Solid

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/05/09 02:51	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015B Mod						
Analytes						
1-Chlorooctane		114	100	114	70-135	
o-Terphenyl		45.3	50.0	91	70-135	

Lab Batch #: 775494

Sample: 539547-1-BSD / BSD

Batch: 1 Matrix: Solid

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/05/09 03:16	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015B Mod						
Analytes						
1-Chlorooctane		117	100	117	70-135	
o-Terphenyl		46.7	50.0	93	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 346486,

Project ID: 30-015-26383

Lab Batch #: 775494

Sample: 539547-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/05/09 03:40

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	51.4	50.0	103	70-135	

Lab Batch #: 775494

Sample: 346486-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/05/09 04:04

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.0	100	97	70-135	
o-Terphenyl	45.2	50.0	90	70-135	

Lab Batch #: 775494

Sample: 346486-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/05/09 04:30

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	43.9	50.0	88	70-135	

Lab Batch #: 775494

Sample: 346486-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/05/09 04:54

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	100	125	70-135	
o-Terphenyl	46.4	50.0	93	70-135	

Lab Batch #: 775494

Sample: 346856-001 D / MD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/05/09 09:27

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.4	100	94	70-135	
o-Terphenyl	44.1	50.0	88	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Project Name: Algerita AHR State # 1

Work Order #: 346486

Project ID: 30-015-26388

Analyst: ASA

Date Analyzed: 10/03/2009

Lab Batch ID: 775555

Date Prepared: 10/02/2009

Batch #: 1

Sample: 539581-1-BKS

Matrix: Solid

Units: mg/kg

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BTEX by EPA 8021B											
Benzene	ND	0.1000	0.0966	97	0.1	0.0976	98	1	70-130	35	
Toluene	ND	0.1000	0.0932	93	0.1	0.0947	95	2	70-130	35	
Ethylbenzene	ND	0.1000	0.0937	94	0.1	0.0956	96	2	71-129	35	
m,p-Xylenes	ND	0.2000	0.2039	102	0.2	0.2082	104	2	70-135	35	
o-Xylene	ND	0.1000	0.0993	99	0.1	0.1009	101	2	71-133	35	

Analyst: ASA

Date Prepared: 10/06/2009

Date Analyzed: 10/06/2009

Lab Batch ID: 775956

Batch #: 1

Sample: 539827-1-BKS

Matrix: Solid

Units: mg/kg

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BTEX by EPA 8021B											
Benzene	ND	0.1000	0.0915	92	0.1	0.0898	90	2	70-130	35	
Toluene	ND	0.1000	0.0906	91	0.1	0.0888	89	2	70-130	35	
Ethylbenzene	ND	0.1000	0.0929	93	0.1	0.0899	90	3	71-129	35	
m,p-Xylenes	ND	0.2000	0.2037	102	0.2	0.1968	98	3	70-135	35	
o-Xylene	ND	0.1000	0.0983	98	0.1	0.0952	95	3	71-133	35	

Relative Percent Difference RPD = $200 * (C-F) / (C+F)$

Blank Spike Recovery [D] = $100 * (C) / [B]$

Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries

Project Name: Algerita AHR State # 1

Work Order #: 346486

Project ID: 30-015-26383

Analyst: BHW

Date Prepared: 10/04/2009

Date Analyzed: 10/05/2009

Lab Batch ID: 775494

Batch #: 1

Matrix: Solid

Sample: 539547-1-BKS

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH By SW8015B Mod	ND	1000	982	98	1000	995	100	1	70-135	35	
C6-C10 Gasoline Range Hydrocarbons	ND	1000	846	85	1000	871	87	3	70-135	35	
C10-C28 Diesel Range Hydrocarbons											

Relative Percent Difference RPD = $200 * (C-F) / (C+F)$
 Blank Spike Recovery [D] = $100 * (C) / [B]$
 Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$
 All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Algerita AHR State # 1

Project ID: 30-015-26383

Work Order #: 346486

Lab Batch ID: 775555

Date Analyzed: 10/03/2009

Reporting Units: mg/kg

QC- Sample ID: 346856-006 S

Date Prepared: 10/02/2009

Batch #: 1 Matrix: Soil

Analyst: ASA

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BTEX by EPA 8021B											
Benzene	ND	0.1095	0.0675	62	0.1088	0.0643	59	5	70-130	35	X
Toluene	ND	0.1095	0.0702	64	0.1088	0.0651	60	8	70-130	35	X
Ethylbenzene	ND	0.1095	0.0685	63	0.1088	0.0646	59	6	71-129	35	X
m,p-Xylenes	ND	0.2189	0.1647	75	0.2176	0.1504	69	9	70-135	35	X
o-Xylene	ND	0.1095	0.0751	69	0.1088	0.0696	64	8	71-133	35	X

QC- Sample ID: 347080-002 S

Date Prepared: 10/06/2009

Batch #: 1 Matrix: Soil

Analyst: ASA

Lab Batch ID: 775956

Date Analyzed: 10/06/2009

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BTEX by EPA 8021B											
Benzene	ND	0.1044	0.0623	60	0.1044	0.0632	61	1	70-130	35	X
Toluene	ND	0.1044	0.0616	59	0.1044	0.0624	60	1	70-130	35	X
Ethylbenzene	ND	0.1044	0.0593	57	0.1044	0.0605	58	2	71-129	35	X
m,p-Xylenes	ND	0.2089	0.1287	62	0.2089	0.1309	63	2	70-135	35	X
o-Xylene	ND	0.1044	0.0622	60	0.1044	0.0634	61	2	71-133	35	X

Matrix Spike Duplicate Percent Recovery: [G] = 100*(F-A)/E

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(C-F)/(C+F)

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable, N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Algerita AHR State # 1

Work Order #: 346486

Lab Batch #: 775057
Date Analyzed: 10/01/2009
QC- Sample ID: 346451-001 D

Date Prepared: 10/01/2009
Batch #: 1

Project ID: 30-015-26383
Analyst: BEV
Matrix: Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	6.00	7.88	27	20	F

Lab Batch #: 775494
Date Analyzed: 10/05/2009
QC- Sample ID: 346856-001 D
Reporting Units: mg/kg

Date Prepared: 10/04/2009
Batch #: 1

Analyst: BHW
Matrix: Soil

TPH By SW8015B Mod Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
C6-C10 Gasoline Range Hydrocarbons	ND	ND	NC	35	
C10-C28 Diesel Range Hydrocarbons	ND	ND	NC	35	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

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

Client: Yates Petroleum
Date/ Time: 9.30.09 9:35
Lab ID #: 346486
Initials: AL

Sample Receipt Checklist

			Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	1.6 °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

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Yates Petroleum
 Date/ Time: 9.30.09 9:35
 Lab ID #: 346486
 Initials: AL

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	1.6 °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	

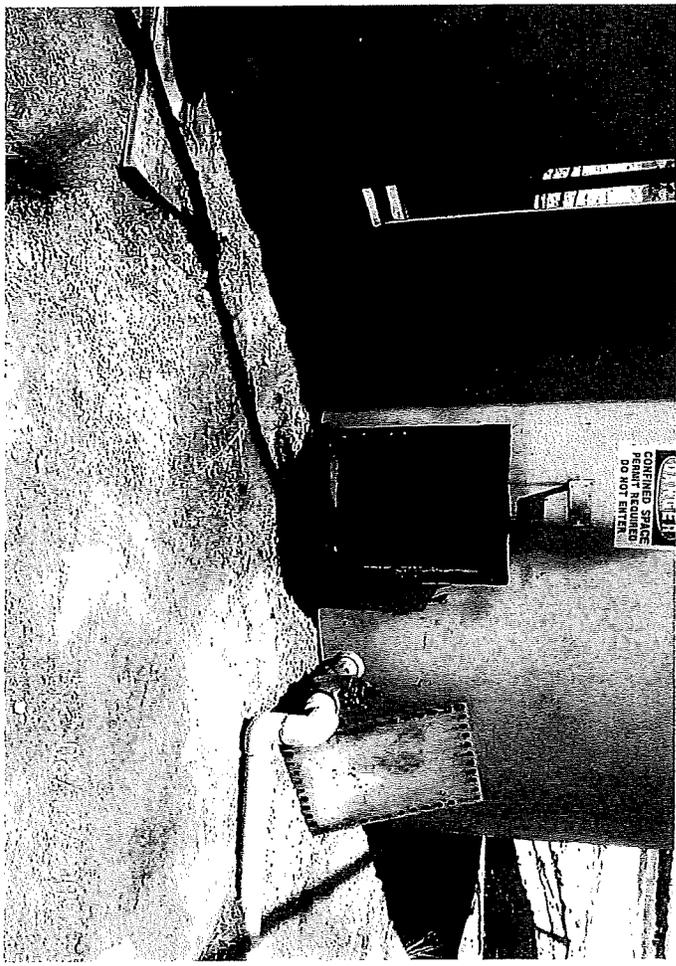
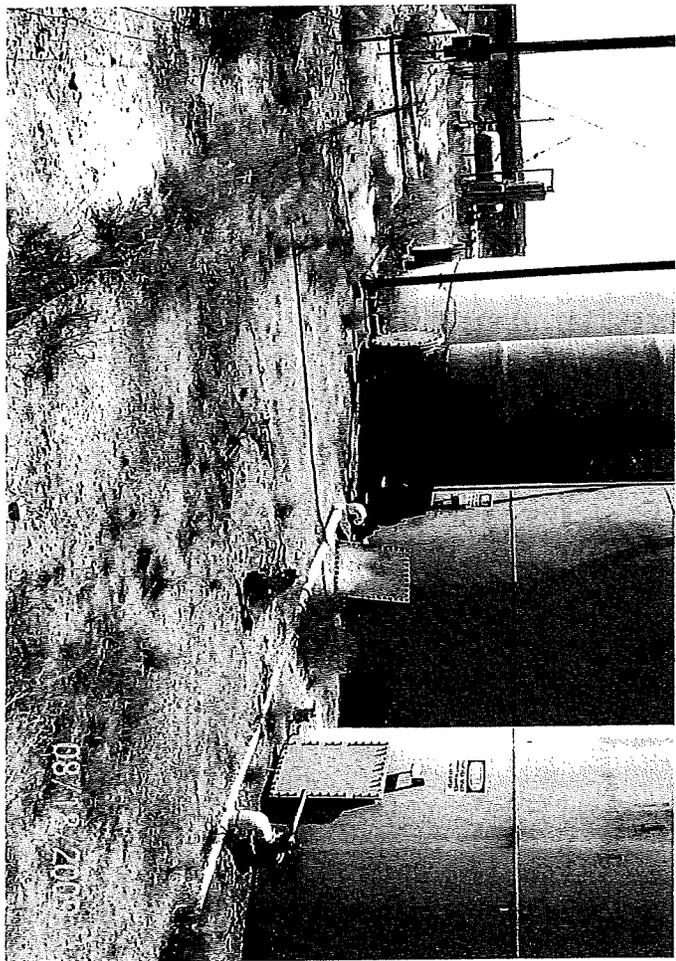
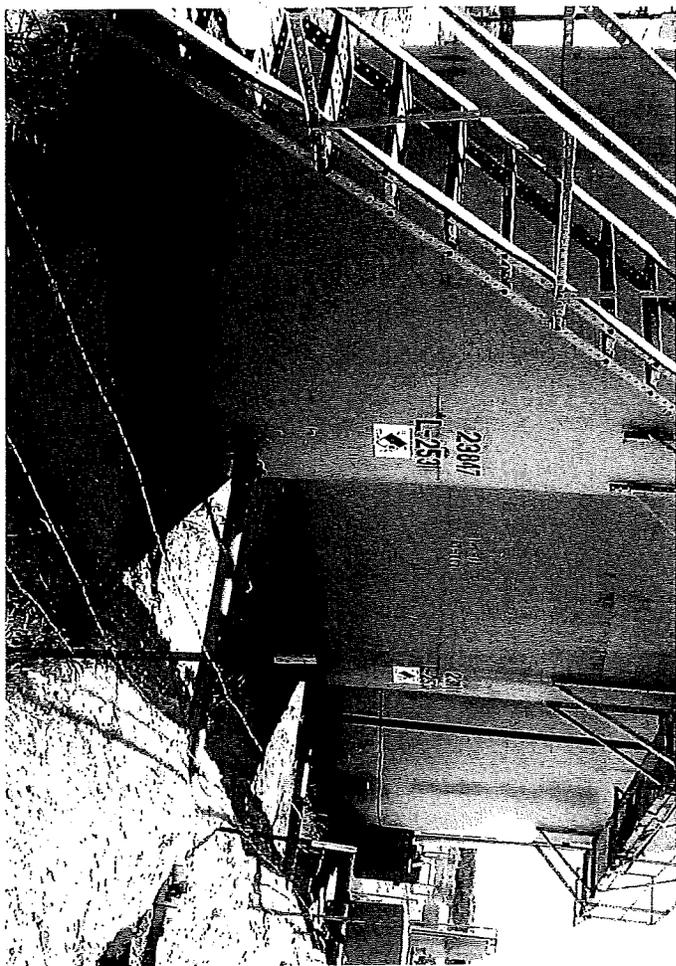
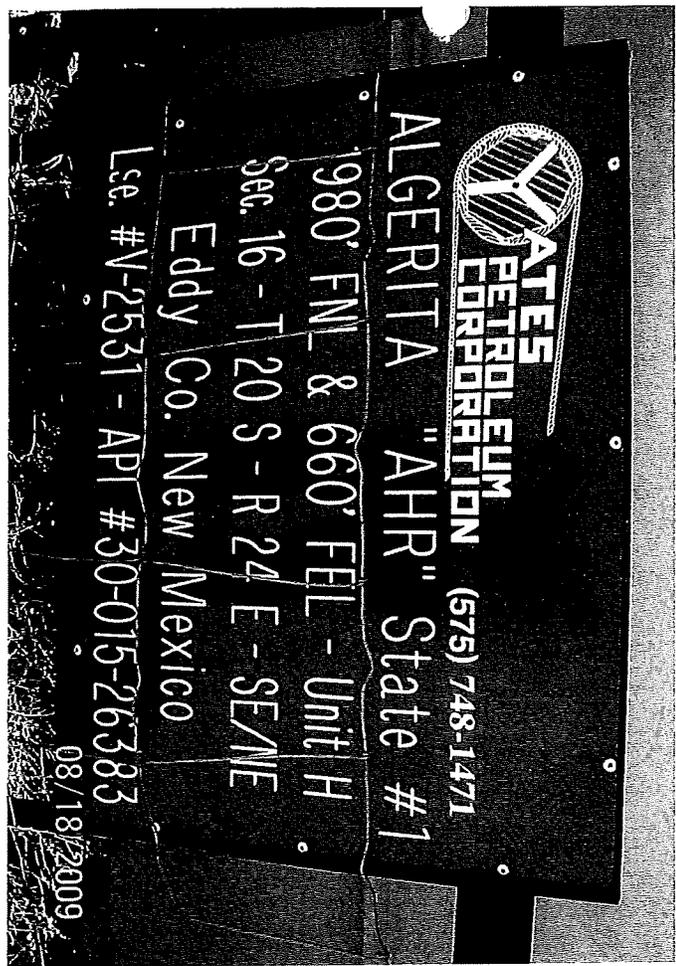
Variance Documentation

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





Date: 09-29-09 11 lb 5.5 oz
Acct # : BOB Base :\$ 40.27
Cust # : ENVIRONMENTAL LABS Spc S:\$ 2.21
Zip/Zone: 79765 / 3 Addl :\$ 0.00

PROJECT NAME			
ALGERITA AHR STATE #1 BATTERY			
FIELD CODE	Gs/Comp-Surface	Gs/Comp-001	Gs/Comp-002
DATE	9/29/2009		
TIME	1130 A	1150 A	1202 P
SOIL TYPE			
SOIL COLOR			
SOIL ODOR			
SAMPLE TYPE	Grass / SHOVEL	Grass / AUGER	
SAMPLE DEPTH	SURFACE	1'	2'
LATITUDE			
LONGITUDE			
TEST TYPE	TPH / BTEX		
COMMENTS	Release Area		
	(TRUCK # 23848)		
FIELD CODE			
DATE			
TIME			
SOIL TYPE			
SOIL COLOR			
SOIL ODOR			
SAMPLE TYPE			
SAMPLE DEPTH			
LATITUDE			
LONGITUDE			
TEST TYPE			
COMMENTS			

~~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
Revised October 1
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 or
side of

Release Notification and Corrective Action

Name of Company Yates Petroleum Corporation		OGRID Number 25575	Contact Robert Asher	<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Address 04 S. 4 TH Street		API Number 30-015-26383	Telephone No. 575-748-1471		
Facility Name Algerita AHR State #1		Facility Type Battery			
Surface Owner State		Mineral Owner State		Lease No. NM-653V-253192	

LOCATION OF RELEASE							
Section 16	Township 20S	Range 24E	Feet from the 1980	North/South Line North	Feet from the 660	East/West Line East	County Eddy
Latitude 32.57553		Longitude 104.58654					

Type of Release Condensate	Volume of Release 20 B/C		Volume Recovered 0 B/C
Source of Release Production tank	Date and Hour of Occurrence 8/12/2009 - AM	Date and Hour of Discovery 8/12/2009 - PM	
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		

Describe Cause of Problem and Remedial Action Taken.*
Hole in production tank. Vacuum truck called.

Describe Area Affected and Cleanup Action Taken.*
In approximate area of 15' X 15'. Source of release isolated and corrected. Vacuum truck removed remaining condensate and transferred to another tank under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results for TPH & BTEX are submitted to the OCD. Depth to Ground Water: >100' (approximately 400', per New Mexico Office of the State Engineer), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.

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 for releases which may endanger public health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Name: Robert Asher		
Environmental Regulatory Agent	Approved by District Supervisor:	
Address: boba@yatespetroleum.com	Approval Date:	Expiration Date:
Day, August 21, 2009	Conditions of Approval:	Attached <input type="checkbox"/>
Additional Sheets If Necessary	Phone: 575-748-4217	

Received by OCD 10/20/2021 4:03:48 PM

Released to Imaging: 10/20/2021 1:38:15 PM

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 55835

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 55835
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	10/20/2021