

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 # NKMW1111633366
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 Algoritia 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.

State of New Mexico
Oil Conservation Division

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety & Environmental Sr</u>
Signature: <u></u>	Date: <u>10/11/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

State of New Mexico
Oil Conservation Division

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Site Assessment/Characterization

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

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

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

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

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

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

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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Application ID	


Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety and Environmental Sr
 Signature:  Date: 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:  Date: 10/20/2021
 Printed Name: Bradford Billings Title: Envi.Spec.A



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

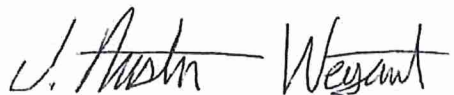
All laboratory samples returned results below RRAL's for a site ranking of 0. SMA recommends no further action for this release.

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



Austin Weyant
Project Scientist

Reviewed by:



Shawna Chubbuck
Senior Scientist

ATTACHMENTS:

Figures:

Algerita AHR State #1
December 20, 2017

Page 4 of 4

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

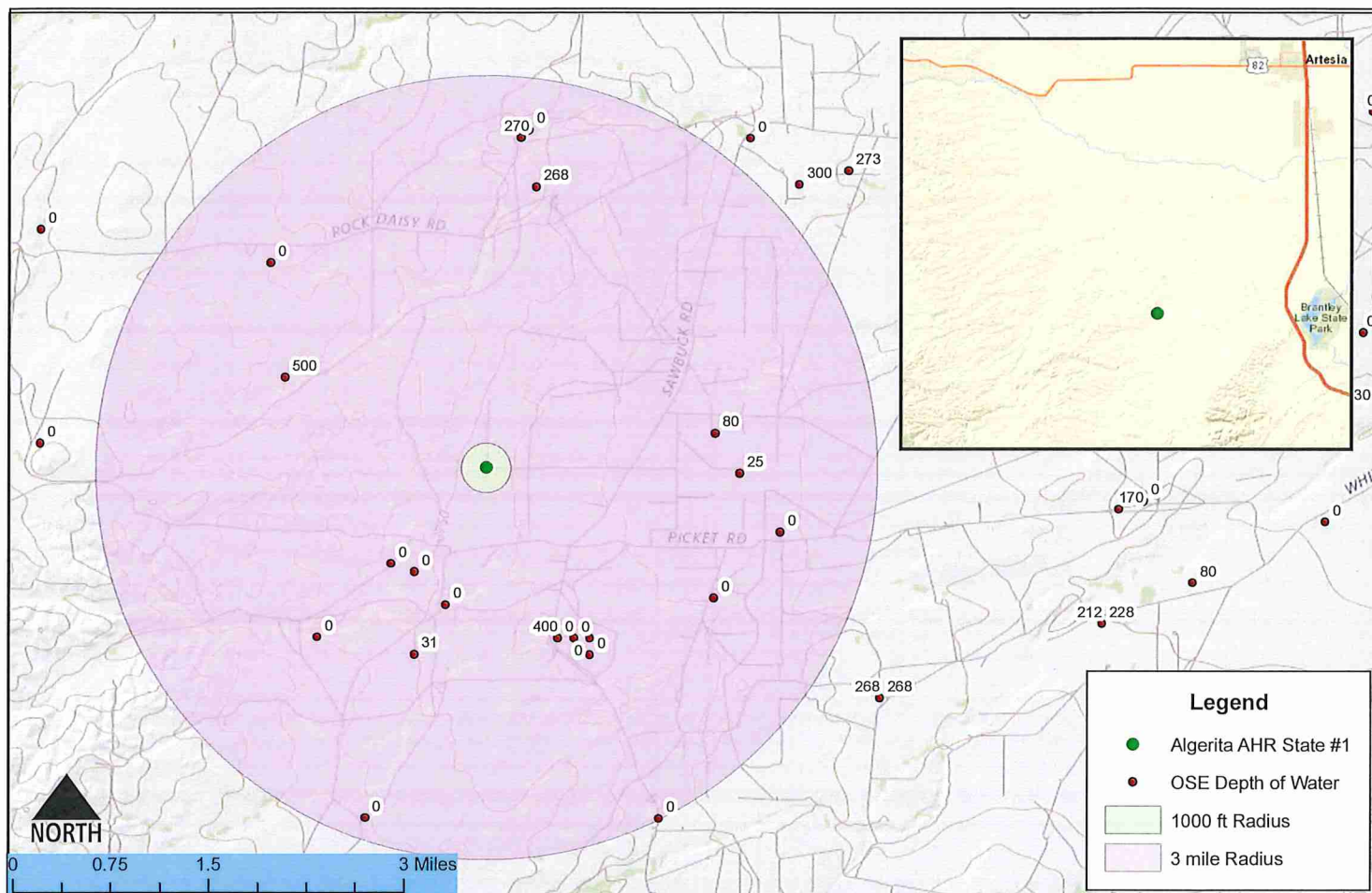
Tables:

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



Vicinity and NMOSE Wells Map
Algerita AHR State #1 - EOG Y
S 16-T20S-R24E, New Mexico

Figure 1

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

FIGURE 2 SITE AND SAMPLE LOCATION MAP



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

nkmmw 1111633366 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 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

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.		

OIL CONSERVATION DIVISION

Signature: <i>Robert Asher</i>	Approved by District Supervisor: <i>Mike Benavente</i>	
Printed Name: Robert Asher	Approval Date: <i>4/25/11</i>	Expiration Date:
Title: Environmental Regulatory Agent	Conditions of Approval:	
E-mail Address: boba@yatespetroleum.com	Attached <input type="checkbox"/>	
Date: Friday, August 21, 2009	Phone: 575-748-4217	

Remediation per OCD Rules &
Guidelines. **SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:**

5/25/11

JRP-760

* Attach Additional Sheets If Necessary

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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				
By Whom?	If YES, To Whom?				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
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.

Signature: <i>Chase Settle</i>	OIL CONSERVATION DIVISION		
Printed Name: Chase Settle	Approved by Environmental Specialist:		
Title: Safety & Environmental Representative II	Approval Date:	Expiration Date:	
E-mail Address: chase_settle@eogresources.com	Conditions of Approval:		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.

12/13/17 10:29 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

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: Algeria

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 horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

CLIENT: Souder, Miller & Associates
Project: Algerita
Lab ID: 1711B96-001

Matrix: SOIL

Client Sample ID: L2-0.5'
Collection Date: 11/20/2017 1:10:00 PM
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

CLIENT: Souder, Miller & Associates
Project: Algerita
Lab ID: 1711B96-003

Matrix: SOIL

Client Sample ID: L1-0.5'
Collection Date: 11/20/2017 12:52:00 PM
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

CLIENT: Souder, Miller & Associates
Project: Algerita
Lab ID: 1711B96-004

Matrix: SOIL

Client Sample ID: L1-1'
Collection Date: 11/20/2017 1:01:00 PM
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

Hall Environmental Analysis Laboratory, Inc.

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

CLIENT: Souder, Miller & Associates Client Sample ID: L1-1.5'
Project: Algerita Collection Date: 11/20/2017 1:04:00 PM
Lab ID: 1711B96-005 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)	560	97		mg/Kg	10	11/28/2017 10:40:11 PM	35150
Motor Oil Range Organics (MRO)	570	490		mg/Kg	10	11/28/2017 10:40:11 PM	35150
Surr: DNOP	0	70-130	S	%Rec	10	11/28/2017 10:40:11 PM	35150
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	53	48		mg/Kg	10	11/28/2017 11:49:17 PM	35154
Surr: BFB	126	15-316		%Rec	10	11/28/2017 11:49:17 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

WO#: 1711B96

Hall Environmental Analysis Laboratory, Inc.

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
- Page 6 of 10

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

Page 7 of 10

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

Page 8 of 10

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

KATHY H. PORTER
SECRETARY

DENNIS G. KINSEY
TREASURER

Page 33 of 134
Received by OGD: 10/13/2021 4:09:40 PM
Released to Imaging: 10/20/2021 1:38:15 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

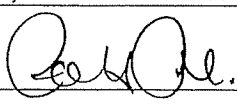
Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street	Telephone No. 575-748-1471	
Facility Name Algerita AHR State #1	API Number 30-015-26383	Facility Type Battery
Surface Owner State	Mineral Owner State	Lease No. V-2531

LOCATION OF RELEASE

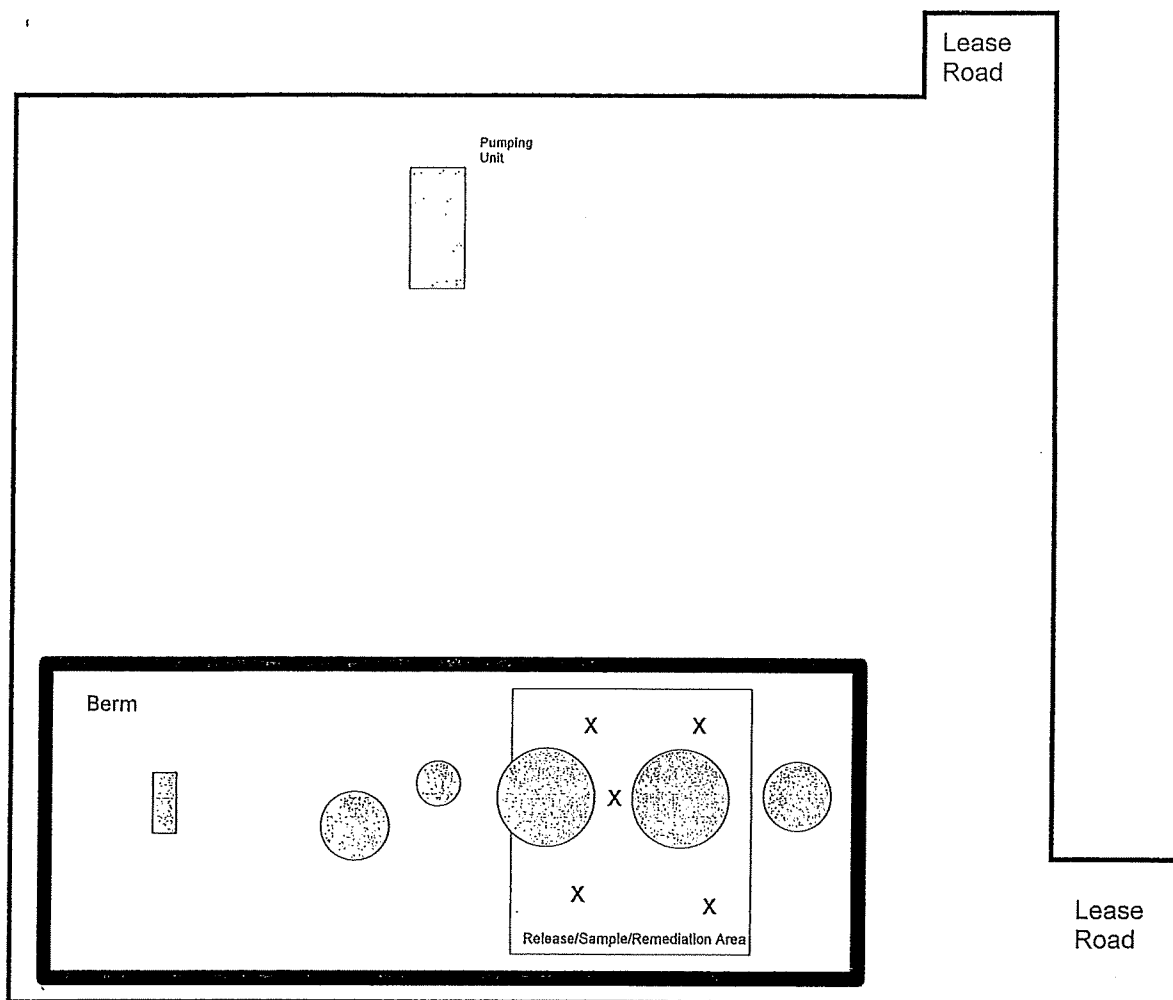
Unit Letter H	Section 16	Township 20S	Range 24E	Feet from the 1980	North/South Line North	Feet from the 660	East/West Line East	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	----------------------	------------------------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

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:	Attached <input type="checkbox"/>
Date: Tuesday, June 01, 2010 Phone: 575-748-4217		

Attach Additional Sheets If Necessary



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

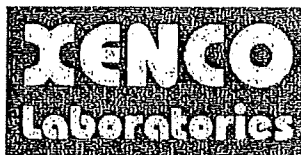
Yates Petroleum Corporation

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

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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

Certificate of Analysis Summary 373728

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: Thu May-20-10 09:30 am


Report Date: 26-MAY-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:		373728-001		373728-002		373728-003	
	Field Id:	Depth:	GS/Comp-001	2-2 ft	GS/Comp-002	3-3 ft	GS/Comp-003	
	Matrix:		SOIL	SOIL	SOIL			
	Sampled:		May-18-10 11:05	May-18-10 11:24	May-18-10 11:45			
BTX 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			
			0.0386 0.0449	ND 1.196	1.420 1.155			
Percent Moisture			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			
			May-21-10 16:53	May-21-10 17:21	May-21-10 17:49			
C6-C10 Gasoline Range Hydrocarbons			mg/kg RL	mg/kg RL	mg/kg RL			
			63.4 16.8	774 89.3	660 17.3			
			34.7 16.8	128 89.3	43.5 17.3			
			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.

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

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 #

Robert Asher

Company Name

Company Name	Yates Petroleum Corporation
--------------	-----------------------------

Company Address:

Company Address: 105 South 4th Street

City/State/Zip:

City/State/Zip: Artesia, NM 88210

Telephone No:

Telephone No: 575-748-4217

Sampler Signature:

Sampler Signature: 

Fax No.:

575-748-4662

e-mail:

boba@yatespetroleum.com

Report Format:

Standard

☐ TRRP

☐ NPDES

Project Name: Algirita AHR State #1

Project #: 30-015-26383

Project Loc: Eddy County

PO #: 105632

[illegible]

Special Instructions:				TPH: 8015B & BTEX: 8021B. Please show ALL results as mg/kg. Thank you.			
Relinquished by:	Date	Time	Received by:	Date	Time	Laboratory Comments:	
Robert Asher	05/19/10	3:11 PM				Sample Contaminated? <input checked="" type="checkbox"/> N VOCs Free of Headspace? <input checked="" type="checkbox"/> N Labels Intact? <input checked="" type="checkbox"/> N Custody seals on container(s) <input checked="" type="checkbox"/> N Chain of Custody <input checked="" type="checkbox"/> N Sample Hand Delivered <input checked="" type="checkbox"/> N by Sampler/Client Rep. ? <input checked="" type="checkbox"/> N by Courier? <input checked="" type="checkbox"/> N UPS <input checked="" type="checkbox"/> DHL Temperature upon Receipt <input checked="" type="checkbox"/> 36 °C	
Relinquished by:	Date	Time	Received by:	Date	Time		
Relinquished by:	Date	Time	Received by XENCO:	Date	Time		
Fedex			Charles Town	5-10-10	9:30		



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 (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	<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)

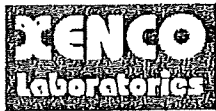
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

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

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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.

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 5332 Blackberry Drive, San Antonio TX 78238
 2505 North Falkenburg Rd, Tampa, FL 33619
 5757 NW 158th St, Miami Lakes, FL 33014
 12600 West I-20 East, Odessa, TX 79765
 842 Cantwell Lane, Corpus Christi, TX 78408

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



Certificate of Analysis Summary 360032

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 Jan-27-10 09:48 am

Report Date: 01-FEB-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	360032-001	360032-002			
	Field Id:	GS/Comp-002	GS/Comp-003			
	Depth:	1-1 ft	2-2 ft			
	Matrix:	SOIL	SOIL			
	Sampled:	Jan-25-10 14:20	Jan-25-10 14:40			
BTEX by EPA 8021	Extracted:	Jan-29-10 16:00	Jan-29-10 16:00			
	Analyzed:	Jan-30-10 17:43	Jan-30-10 19:39			
	Units/RL:	mg/kg RL	mg/kg RL			
		ND 1.136	0.6872 0.2306			
		6.270 2.272	5.156 0.4612			
Benzene		3.828 1.136	3.888 0.2306			
Toluene		9.463 2.272	54.37 0.4612			
Ethylbenzene		4.112 1.136	18.80 0.2306			
m,p-Xylenes		13.575 1.136	73.17 0.2306			
o-Xylene		23.673 1.136	82.90 0.2306			
Xylenes, Total						
Total BTEX						
Percent Moisture	Extracted:					
	Analyzed:	Jan-28-10 17:00	Jan-28-10 17:00			
	Units/RL:	% RL	% RL			
		12.8 1.00	14.1 1.00			
TPH by SW 8015B	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			
		245 17.2	2960 87.0			
C6-C10 Gasoline Range Hydrocarbons		58.3 17.2	181 87.0			
C10-C28 Diesel Range Hydrocarbons		303 17.2	3141 87.0			
Total TPH						

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

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Brent Barron, II
Odessa Laboratory Manager

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

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

Check all that Apply:

☐
☐
☐

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

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)

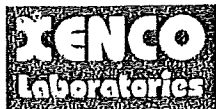
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

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

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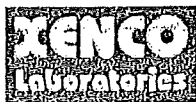
Sample Cross Reference 346486



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: 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		
BTX 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		
Percent Moisture			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		
			279 153	3010 171	3480 178		
C10-C28 Diesel Range Hydrocarbons			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.

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Brent Barron, II
Odessa Laboratory Manager



Flagging Criteria



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

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5332 Blackberry Drive, San Antonio TX 78238
2505 North Falkenburg Rd, Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
12600 West I-20 East, Odessa, TX 79765
842 Cantwell Lane, Corpus Christi, TX 78408

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

Environmental Lab of Texas 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	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 make/ 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

Page 60 of 134
Received by OCD: 10/13/2021 4:09:40 PM
Released to Imaging: 10/20/2021 1:38:15 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. NM-653V-253192
------------------------	------------------------	-----------------------------

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


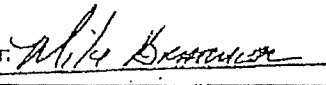
NATURE OF RELEASE

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 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.

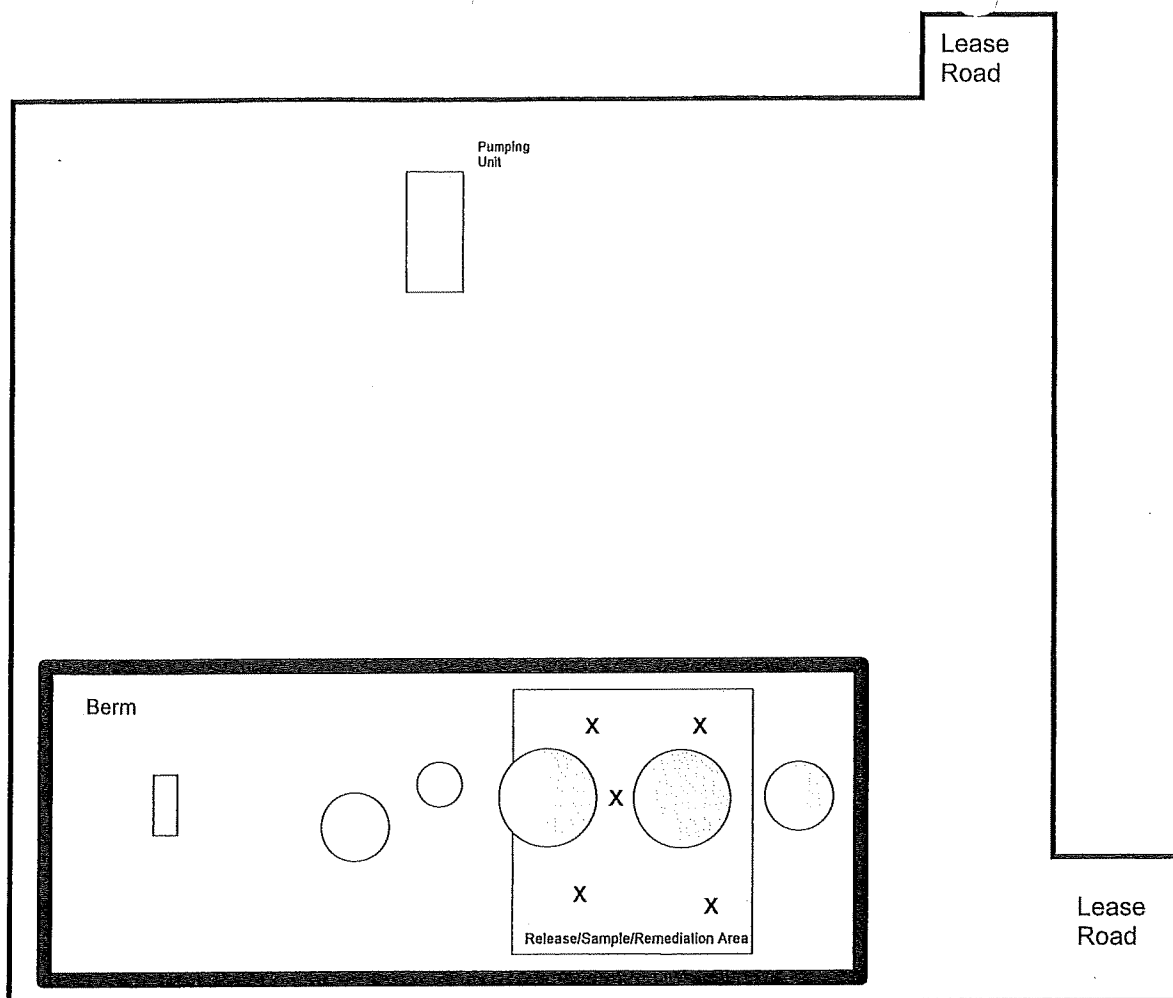
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCDD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCDD 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, NMOCDD 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: <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

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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

Project Id: 30-015-26383

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Thu May-20-10 09:30 am

Report Date: 26-MAY-10

Project Manager: Brent Barron, II



Analysis Requested	Lab Id:			373728-001			373728-002			373728-003		
	Field Id:	Depth:	Matrix:	Sampled:	May-18-10 11:05	SOIL	May-18-10 11:24	SOIL	May-18-10 11:45	May-25-10 15:15	May-26-10 00:49	May-26-10 00:49
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			
	Benzene				ND 0.0225		ND 0.5981		ND 0.5774			
	Toluene				0.0586 0.0449		ND 1.196		1.420 1.155			
Percent Moisture	Ethylbenzene				0.1551 0.0225		0.6699 0.5981		0.6871 0.5774			
	m,p-Xylenes				1.149 0.0449		6.764 1.196		10.33 1.155			
	o-Xylene				0.5095 0.0225		3.876 0.5981		3.839 0.5774			
	Xylenes, Total				1.659 0.0225		10.640 0.5981		14.17 0.5774			
	Total BTEX				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:				May-21-10 10:30		May-21-10 10:30		May-21-10 10:30			
	Units/RL:				% RL		% RL		% RL			
	Percent Moisture				10.9 1.00		16.4 1.00		13.4 1.00			
	TPH by SW 8015B				May-21-10 10:30		May-21-10 10:30		May-21-10 10:30			
C6-C10 Gasoline Range Hydrocarbons	Extracted:				May-21-10 16:53		May-21-10 17:21		May-21-10 17:49			
	Analyzed:				mg/kg RL		mg/kg RL		mg/kg RL			
	Units/RL:				mg/kg RL		mg/kg RL		mg/kg RL			
	C6-C10 Gasoline Range Hydrocarbons				63.4 16.8		774 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: Algerita 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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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.

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Received by OCD: 10/13/2021 4:09:40 PM
Released to Imaging: 10/20/2021 1:38:15 PM



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 373728,

Project ID: 30-015-26383

Lab Batch #: 807718

Sample: 563955-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/21/10 16:26

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

Units: mg/kg

Date Analyzed: 05/21/10 16:53

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

Units: mg/kg

Date Analyzed: 05/21/10 17:21

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

Units: mg/kg

Date Analyzed: 05/21/10 17:49

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

Units: mg/kg

Date Analyzed: 05/21/10 19:38

SURROGATE RECOVERY STUDY

TPH by SW 8015B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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.



SS / BSD Recoveries



Project Name: Algerita AHR State # 1

Work Order #: 373728

Project ID: 30-015-26383

Analyst: ASA

Date Prepared: 05/25/2010

Date Analyzed: 05/25/2010

Lab Batch ID: 808178

Sample: 564220-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
Units: mg/kg												
BTEX by EPA 8021		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
Analytes												
Benzene		ND	0.1000	0.1073	107	0.1	0.1079	108	1	70-130	35	
Toluene		ND	0.1000	0.1063	106	0.1	0.1070	107	1	70-130	35	
Ethylbenzene		ND	0.1000	0.1075	108	0.1	0.1086	109	1	71-129	35	
m,p-Xylenes		ND	0.2000	0.2157	108	0.2	0.2183	109	1	70-135	35	
o-Xylene		ND	0.1000	0.1063	106	0.1	0.1081	108	2	71-133	35	

Analyst: BEV

Date Prepared: 05/21/2010

Date Analyzed: 05/21/2010

Lab Batch ID: 807718

Sample: 563955-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
Units: mg/kg												
Analytes	TPH by SW 8015B											
	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	
C6-C10 Gasoline Range Hydrocarbons	ND	1010	1040	103	1000	1040	104	0	70-135	35		
C10-C28 Diesel Range Hydrocarbons	ND	1010	764	76	1000	714	71	7	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 #: 373728

Lab Batch ID: 808178

Date Analyzed: 05/26/2010

Reporting Units: mg/kg

Project ID: 30-015-26383

QC-Sample ID: 373911-001 S Batch #: 1 Matrix: Soil

Date Prepared: 05/25/2010 Analyst: ASA

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY													
Reporting Units: mg/kg	BTEX by EPA 8021 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	
		Benzene	ND	0.1216	0.0513	42	0.1221	0.0541	44	5	70-130	35	X
		Toluene	ND	0.1216	0.0394	32	0.1221	0.0415	34	5	70-130	35	X
		Ethylbenzene	ND	0.1216	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

Lab Batch ID: 807718

Date Analyzed: 05/21/2010

Reporting Units: mg/kg

QC-Sample ID: 373728-001 S

Date Prepared: 05/21/2010

Batch #: 1 Matrix: Soil

Analyst: BEV

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY												
Reporting Units: mg/kg	TPH by SW 8015B 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	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 $[D] = 100 \times (C-A)/B$ Relative Percent Difference $RPD = 200 \times (C-F)/(C+F)$ ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Inconclusive, 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

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West 1-20 East
Odessa, Texas 79765

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

Project Manager:	Robert Asher	Cooler #	
Company Name	Yates Petroleum Corporation		
Company Address:	105 South 4th Street		
City/State/Zip:	Artesia, NM 88210		
Telephone No:	575-748-4217	Fax No:	575-748-4862
Sampler Signature:			
		e-mail:	boba@yatespetroleum.com

Project Name: <u>Algeria AHR State #1</u>	Report Format: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> TRRP <input type="checkbox"/> NPDES
Project #: <u>30-015-26383</u>	
Project Loc: <u>Eddy County</u>	
PO #: <u>105632</u>	

[illegible]



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 label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	<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 <u>0</u>	lbs <u>0</u>	lbs <u>0</u>	lbs <u>0</u>

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

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 #

Project Name: Algebra 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

Sampler Signature:

e-mail: boba@yatespetroleum.com[illegible]



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

PROJECT NAME	ALGEMITA NHA STATE #1		
FIELD CODE	GS/Comp-001	GS/Comp-002	003
DATE	5/18/2010		
TIME	1105A	1124A	1145A
SOIL TYPE			
SOIL COLOR			
SOIL ODOR			
SAMPLE TYPE			
SAMPLE DEPTH	1'	2'	3'
LATITUDE			
LONGITUDE			
TEST TYPE	TPH/STX		
COMMENTS			
FIELD CODE			
DATE			
TIME			
SOIL TYPE			
SOIL COLOR			
SOIL ODOR			
SAMPLE TYPE			
SAMPLE DEPTH			
LATITUDE			
LONGITUDE			
TEST TYPE			
COMMENTS			

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)
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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

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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.



Certificate of Analysis Summary 360032

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 Jan-27-10 09:48 am

Report Date: 01-FEB-10

Project Manager: Brent Barron, II



Analysis Requested	Lab Id:		360032-001		360032-002	
	Field Id:	Depth:	GS/Comp-002	GS/Comp-003	2-2 ft	SOIL
	Matrix:		SOIL			
	Sampled:		Jan-25-10 14:20	Jan-25-10 14:40		
BTEX by EPA 8021	Extracted:		Jan-29-10 16:00	Jan-29-10 16:00		
	Analyzed:		Jan-30-10 17:43	Jan-30-10 19:39		
	Units/RL:		mg/kg RL	mg/kg RL		
			ND 1.136	0.6872 0.2306		
			6.270 2.272	5.156 0.4612		
Percent Moisture			3.828 1.136	3.888 0.2306		
			9.463 2.272	54.37 0.4612		
			4.112 1.136	18.80 0.2306		
			13.575 1.136	73.17 0.2306		
			23.673 1.136	82.90 0.2306		
TPH by SW 8015B	Extracted:		Jan-28-10 17:00	Jan-28-10 17:00		
	Analyzed:		% RL	% RL		
	Units/RL:		12.8 1.00	14.1 1.00		
			Jan-28-10 11:00	Jan-28-10 11:00		
			Jan-29-10 08:30	Jan-29-10 08:57		
C6-C10 Gasoline Range Hydrocarbons			mg/kg RL	mg/kg RL		
			245 17.2	2960 87.0		
			58.3 17.2	181 87.0		
			303 17.2	3141 87.0		
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.

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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
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Received by OCD: 10/13/2021 4:09:40 PM
Released to Imaging: 10/20/2021 1:38:15 PM



Form 2 - Surrogate Recoveries

Project Name: Algerita AHR State # 1

Work Orders : 360032,

Project ID: 30-015-26383

Lab Batch #: 791711

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 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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

Sample: 549007-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
Units: mg/kg												
BTEX by EPA 8021		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
Analytes												
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

Sample: 548850-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
Units: mg/kg												
TPH by SW 8015B		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
Analytes												
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

Project ID: 30-015-26383

Lab Batch ID: 791430

Batch #: 1 Matrix: Soil

Date Analyzed: 01/29/2010

QC- Sample ID: 360032-001 S

Date Prepared: 01/28/2010 Analyst: BEV

Reporting Units: mg/kg

Reporting Units: mg/kg		MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
TPH by SW 8015B		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
Analytes												
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

Project ID: 30-015-26383

Date Analyzed: 01/30/2010

Date Prepared: 01/29/2010

Analyst: ASA

QC- Sample ID: 360362-003 D

Batch #: 1

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

Date Prepared: 01/28/2010

Analyst: WRU

QC- Sample ID: 360032-001 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	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 # YPC-001

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: 

boba@yatespetroleum.com

[illegible]

Special Instructions:

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

	Laboratory Comments:
--	----------------------

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Asher Relinquished by:	01/26/10	2:47 PM			
	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by XENCO:	Date	Time
Fedex			Andrea Feim	1-27-10	9:48

Sample Containers intact?
 Labels on container(s)
 Custody seals on container(s)
 Sample Hand Delivered
 by Sampler/Client Rep.?
 by Courier? UPS DHL
 Temperature Upon Receipt °C

VOCs Free of Headspace?
 Labels on container(s)
 Custody seals on container(s)
 Sample Hand Delivered
 by Sampler/Client Rep.?
 by Courier? UPS DHL
 Temperature Upon Receipt °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

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

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

Check all that Apply:

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

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 # YPC-001

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

Sampler Signature: 

e-mail: boba@yatespetroleum.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

☐ NPDES☐ NPDES

(lab use only)

ORDER #: 30032

[illegible]

Special Instructions:

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

						Laboratory Comments:
--	--	--	--	--	--	----------------------

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered	N
by Sampler/Client Rep. ?	N
by Courier? UPS DHL	N
Temperature Upon Receipt:	1.9 °C

721

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

PROJECT NAME	ALGERIA AHR STATE #1		
FIELD CODE	Gs/Comp - 002	Gs/Comp - 003	
DATE	1/25/2010		
TIME	2200	240	
SOIL TYPE			
SOIL COLOR			
SOIL ODOR			
SAMPLE TYPE			
SAMPLE DEPTH	1'	2'	
LATITUDE			
LONGITUDE			
TEST TYPE	TPA/RTX		
COMMENTS	FB		
FIELD CODE			
DATE			
TIME			
SOIL TYPE			
SOIL COLOR			
SOIL ODOR			
SAMPLE TYPE			
SAMPLE DEPTH			
LATITUDE			
LONGITUDE			
TEST TYPE			
COMMENTS			

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

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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.

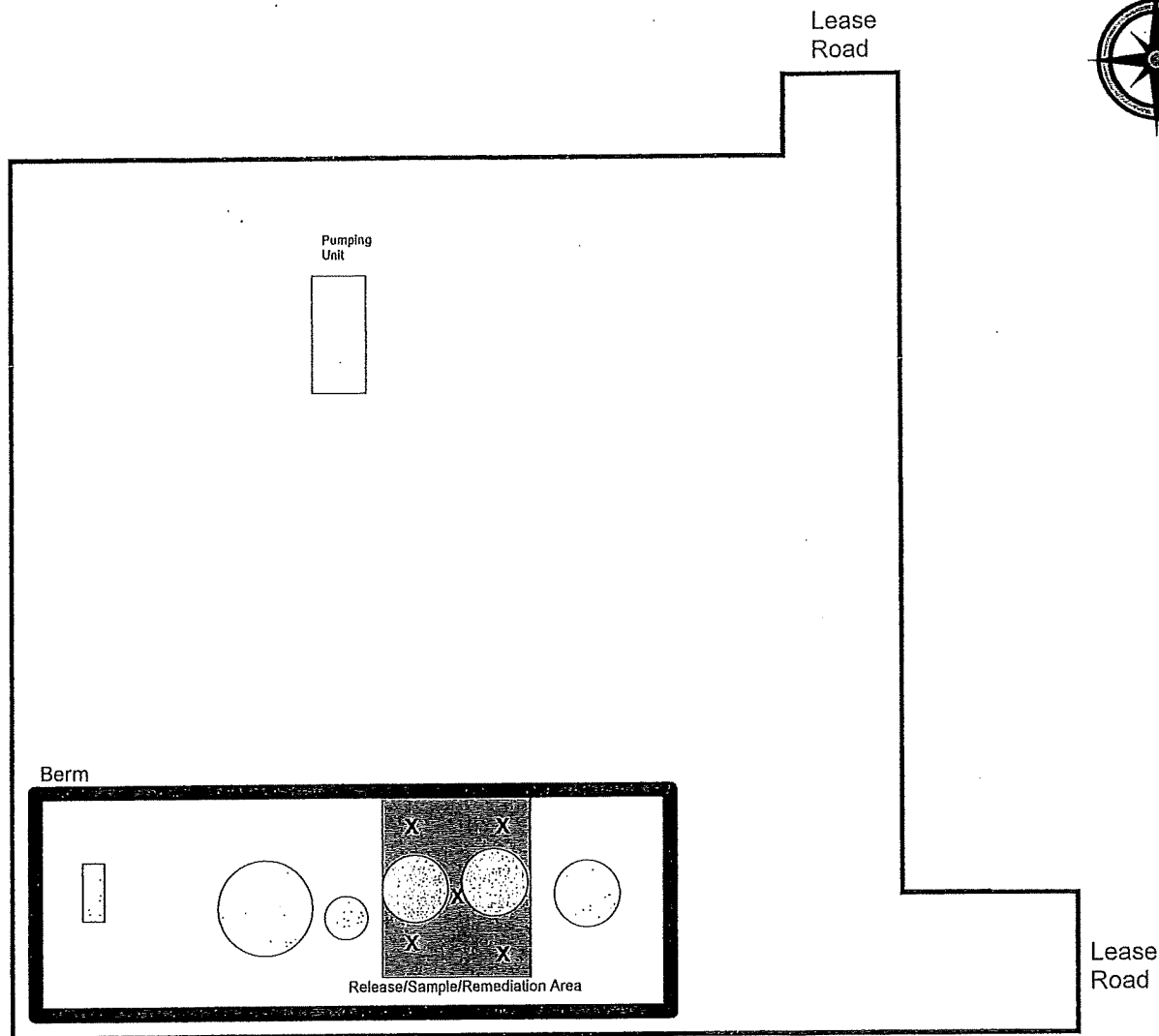
If you have any questions call me at (575) 748-4217.

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)

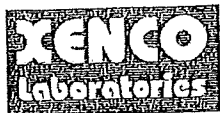
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

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

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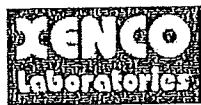
Sample Cross Reference 346486



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: 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	Project Manager: Brent Barton, H	
		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	Oct-06-09 10:00		
	Analyzed:	Oct-03-09 17:18	Oct-06-09 14:58	Oct-06-09 14:16	Oct-06-09 14:16		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
	Benzene	ND 0.0204	ND 0.5684	ND 0.2372	ND 0.2372		
	Toluene	0.0424 0.0407	9.355 1.137	14.48 0.4745	14.48 0.4745		
	Ethylbenzene	0.0419 0.0204	4.558 0.5684	5.144 0.2372	5.144 0.2372		
Percent Moisture	m,p-Xylenes	1.552 0.0407	71.12 1.137	60.64 0.4745	60.64 0.4745		
	o-Xylene	0.6083 0.0204	16.78 0.5684	13.83 0.2372	13.83 0.2372		
	Total Xylenes	2.160 0.0204	87.90 0.5684	74.47 0.2372	74.47 0.2372		
	Total BTEX	2.245 0.0204	101.81 0.5684	94.09 0.2372	94.09 0.2372		
	Extracted:	Oct-01-09 10:10	Oct-01-09 10:10	Oct-01-09 10:10	Oct-01-09 10:10		
	Analyzed:	% RL	% RL	% RL	% RL		
TPH By SW8015B Mod	Units/RL:	1.96 1.00	12.0 1.00	15.7 1.00	15.7 1.00		
	Percent Moisture						
	Extracted:	Oct-04-09 13:36	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	Oct-05-09 04:54		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
	C6-C10 Gasoline Range Hydrocarbons	279 153	3010 171	3480 178	3480 178		
Total TPH	C10-C28 Diesel Range Hydrocarbons	1060 153	713 171	633 178	633 178		
		1339 153	3723 171	4113 178	4113 178		

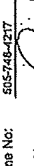
This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes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

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Brent Barron, II
Odessa Laboratory Manager

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
17600 West 1420 East
Odessa, Texas 79765
Phone: 432-563-1300
Fax: 432-563-1713

Project Manager:	Robert Weber	Company #:	NYE 10021	Project Name:	Algebra AHR State #1
Company Name:	Yates Petroleum Corporation			Project #:	30-075-26383
Company Address:	105 South 4th Street			Project Loc:	Eddy County
City/State/Zip:	Artesia, NM, 88210			PO #:	106592
Telephone No:	505-748-4277	Fax No:	505-748-4852	Report Format:	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> TRUP <input type="checkbox"/> NPDES
Sampler Signature:		e-mail:	bob@yatespetroleum.com		

[illegible]

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	

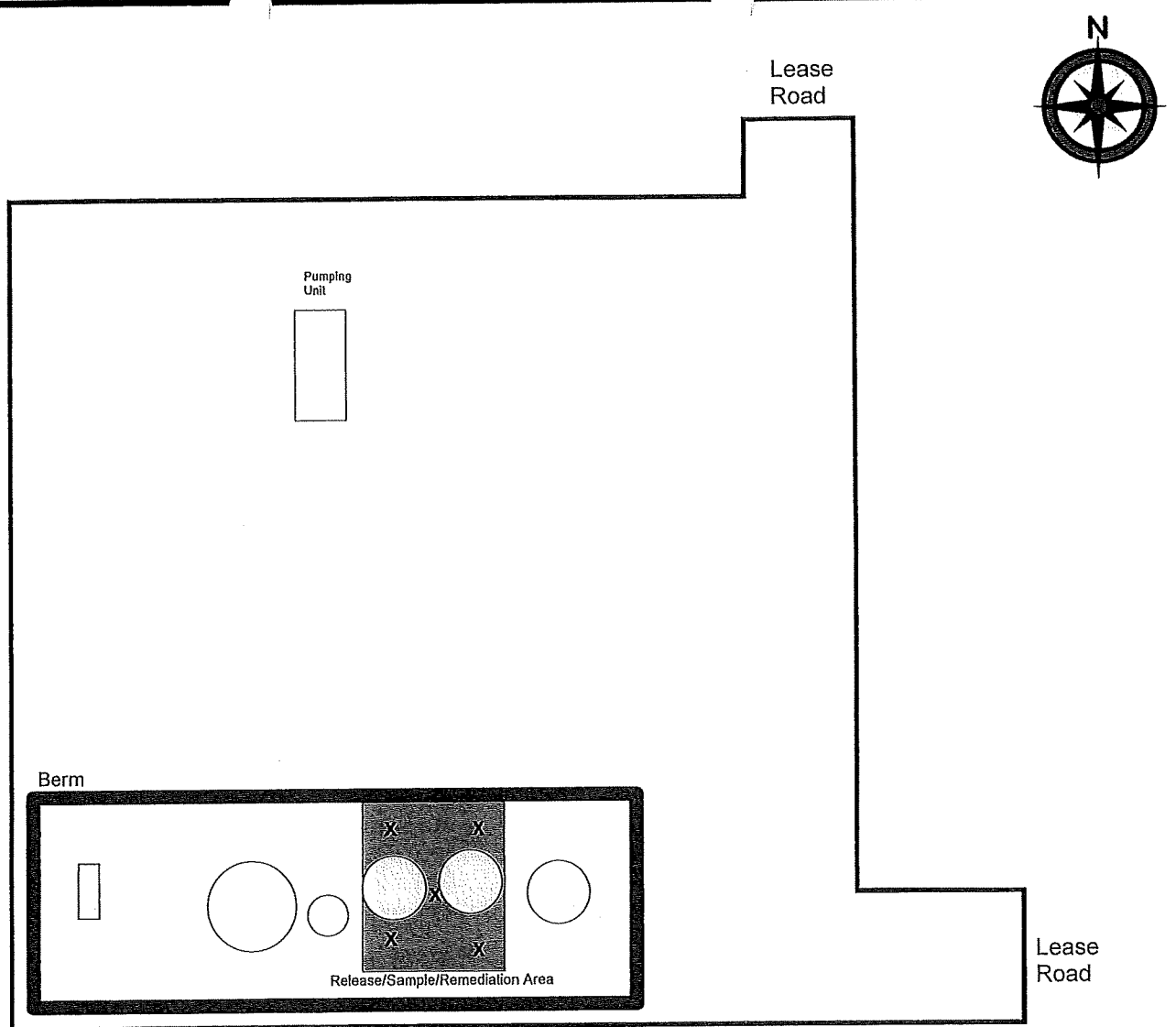
Variance Documentation

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/Grp-001	10/7/2009	Grab/Auger	4"	2.245	279	1060	1339
GS/Grp-002	10/7/2009	Grab/Auger	1'	101.810	3010	713	3723
GS/Grp-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

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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**Report Date: 07-OCT-09**Work Order Number: 346486**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	
BTX by EPA 8021B	Extracted:	Oct-02-09 16:15	ND 0.0204	ND 0.5684	ND 0.2372	
	Analyzed:	Oct-03-09 17:18	mg/kg RL	mg/kg RL	mg/kg RL	
	Units/RL:					
			0.0424 0.0407	9.355 1.137	14.48 0.4745	
			0.0419 0.0204	4.558 0.5684	5.144 0.2372	
Ethylbenzene			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	
Total Xylenes			2.245 0.0204	101.81 0.5684	94.09 0.2372	
Percent Moisture		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	
TPH By SW8015B Mod		Extracted:	Oct-04-09 13:36	Oct-04-09 13:36	Oct-04-09 13:36	
	Analyzed:		mg/kg RL	mg/kg RL	mg/kg RL	
	Units/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						

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Brent Barron, II
Odessa Laboratory Manager



Flagging Criteria



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

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(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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

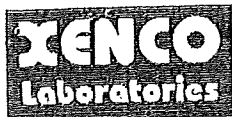
* Surrogate outside of Laboratory QC limits

** 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.



Form 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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
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

Units: mg/kg

Date Analyzed: 10/06/09 14:58

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

Units: mg/kg

Date Analyzed: 10/06/09 19:14

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

Units: mg/kg

Date Analyzed: 10/06/09 19:35

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

Units: mg/kg

Date Analyzed: 10/05/09 02:51

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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

Units: mg/kg

Date Analyzed: 10/05/09 03:16

SURROGATE RECOVERY STUDY

TPH By SW8015B Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
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.



BS / BSD Recoveries



Project Name: Algerita AHR State # 1

Work Order #: 346486

Project ID: 30-015-26383

Analyst: ASA

Date Prepared: 10/02/2009

Date Analyzed: 10/03/2009

Lab Batch ID: 775555

Sample: 539581-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Units: mg/kg	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
Analytes	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

Sample: 539827-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
	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
Analytes	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

Sample: 539547-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY												
Units: mg/kg												
Analytes	TPH By SW8015B Mod											
	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	
	C6-C10 Gasoline Range Hydrocarbons	ND	1000	982	98	1000	995	100	1	70-135	35	
	C10-C28 Diesel Range Hydrocarbons	ND	1000	846	85	1000	871	87	3	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 #: 346486

Lab Batch ID: 775555

Date Analyzed: 10/03/2009

Reporting Units: mg/kg

Project ID: 30-015-26383

QC- Sample ID: 346856-006 S

Date Prepared: 10/02/2009

Batch #: 1 Matrix: Soil

Analyst: ASA

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY												
BTEX by EPA 8021B 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	
	ND	0.1095	0.0675	62	0.1088	0.0643	59	5	70-130	35	X	
	ND	0.1095	0.0702	64	0.1088	0.0651	60	8	70-130	35	X	
	ND	0.1095	0.0685	63	0.1088	0.0646	59	6	71-129	35	X	
	ND	0.2189	0.1647	75	0.2176	0.1504	69	9	70-135	35	X	
	ND	0.1095	0.0751	69	0.1088	0.0696	64	8	71-133	35	X	
	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	

Lab Batch ID: 775956

Date Analyzed: 10/06/2009

Reporting Units: mg/kg

QC- Sample ID: 347080-002 S

Date Prepared: 10/06/2009

Batch #: 1 Matrix: Soil

Analyst: ASA

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
BTEX by EPA 8021B 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
	ND	0.1044	0.0623	60	0.1044	0.0632	61	1	70-130	35	X
	ND	0.1044	0.0616	59	0.1044	0.0624	60	1	70-130	35	X
	ND	0.1044	0.0593	57	0.1044	0.0605	58	2	71-129	35	X
	ND	0.2089	0.1287	62	0.2089	0.1309	63	2	70-135	35	X
	ND	0.1044	0.0622	60	0.1044	0.0634	61	2	71-133	35	X
	ND	0.1044	0.0622	60	0.1044	0.0634	61	2	71-133	35	X

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$

Relative Percent Difference $RPD = 200 \times [(C-F)/(C+F)]$

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 $[G] = 100 \times (F-A)/E$



Sample Duplicate Recovery



Project Name: Algerita AHR State # 1

Work Order #: 346486

Lab Batch #: 775057

Project ID: 30-015-26383

Date Analyzed: 10/01/2009

Date Prepared: 10/01/2009

Analyst: BEV

QC- Sample ID: 346451-001 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	6.00	7.88	27	20	F

Lab Batch #: 775494

Date Analyzed: 10/05/2009

Date Prepared: 10/04/2009

Analyst: BHW

QC- Sample ID: 346856-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
TPH By SW8015B Mod	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
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

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12000 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Robert Asher

Project Manager: Roban Asher

Company Name	Y3:09 Petroleum Corporation

Company Name	Y3:os Petroleum Corporation
--------------	------------------------------------

Company Address: 105 South 4th Street

Company Address: 105 South 4th Street

City/State/Zip: Altamira, NM 88210

City/State/Zip: Altamira, NM 88210

Telephone No: 505-748-4217

Telephone No: 505-748-4217

Sampler Signature: 

Sampler Signature: 

Fax No:

Fax No:

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Fax No: 595-748-4562

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e-mail: baba@...

5-748-4582

5-748-4582

bobba@yalespetroleum.com

bobba@yalespetroleum.com

Report Format: ☐ StarReport Format: ☐ Star

1

1

ort Format: ☒ Standard ☐ TRRP

ort Format: ☒ Standard ☐ TRRP

NPDES

NPDES

Lab # (Lab use only)		FIELD CODE		Time Sampled		Date Sampled		Ending Depth		Beginning Depth		Time Sampled		Total # of Containers		Preservation & # of Containers		Matrix		TPH: 8021B, 8021C, 8021D, 8021E, 8021F, 8021G, 8021H, 8021I, 8021J, 8021K, 8021L, 8021M, 8021N, 8021O, 8021P, 8021Q, 8021R, 8021S, 8021T, 8021U, 8021V, 8021W, 8021X, 8021Y, 8021Z		Analysis Per			
Lab #	Field Code	Time Sampled	Date Sampled	Ending Depth	Beginning Depth	Time Sampled	Date Sampled	Ending Depth	Beginning Depth	Time Sampled	Date Sampled	Ending Depth	Beginning Depth	Time Sampled	Date Sampled	Ending Depth	Beginning Depth	Time Sampled	Date Sampled	Ending Depth	Beginning Depth	Time Sampled	Date Sampled	Ending Depth	Beginning Depth
10	GSComp-001	11:30 AM	9/28/2009	4"	4"	11:30 AM	9/28/2009	4"	4"	11:30 AM	9/28/2009	4"	4"	11:30 AM	9/28/2009	4"	4"	11:30 AM	9/28/2009	4"	4"	11:30 AM	9/28/2009	4"	4"
20	GSComp-002	11:50 AM	9/28/2009	1'	1'	11:50 AM	9/28/2009	1'	1'	11:50 AM	9/28/2009	1'	1'	11:50 AM	9/28/2009	1'	1'	11:50 AM	9/28/2009	1'	1'	11:50 AM	9/28/2009	1'	1'
30	GSComp-003	12:02 PM	9/28/2009	2'	2'	12:02 PM	9/28/2009	2'	2'	12:02 PM	9/28/2009	2'	2'	12:02 PM	9/28/2009	2'	2'	12:02 PM	9/28/2009	2'	2'	12:02 PM	9/28/2009	2'	2'

Special Instructions:		TPH: 8015B & BTEX: 8021B. Please show BTEX results as mg/kg. Thank you.	
Requisitioned by:	Robert Asker	Date:	09/28/09
Requisitioned by:	Robert Asker	Date:	09/28/09

Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
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Requisitioned by:	Robert Asker	Received by:	Robert Asker
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Requisitioned by:	Robert Asker	Received by:	Robert Asker
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Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

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Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

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Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

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Requisitioned by:	Robert Asker	Received by:	Robert Asker
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Requisitioned by:	Robert Asker	Received by:	Robert Asker
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Requisitioned by:	Robert Asker	Received by:	Robert Asker
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Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

Requisitioned by:		Received by:	
Requisitioned by:	Robert Asker	Received by:	Robert Asker
Requisitioned by:	Robert Asker	Received by:	Robert Asker

Requisitioned by:		Received by:	
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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

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 # YPC-0021

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: 505-748-4217

Fax No: 505-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: 

boba@yatespetroleum.com

[illegible]

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

Variance Documentation

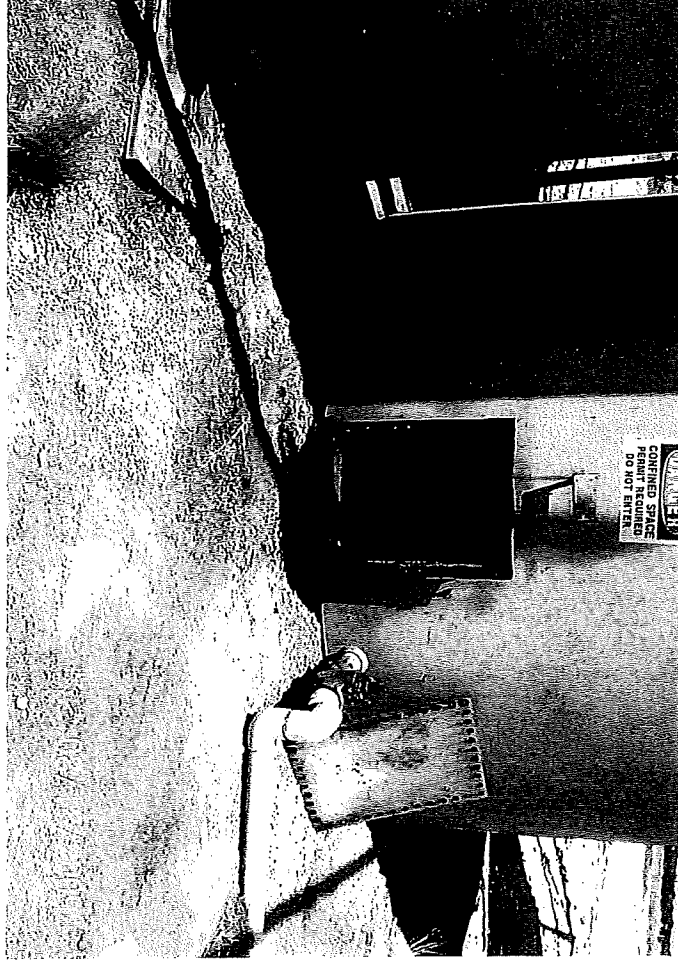
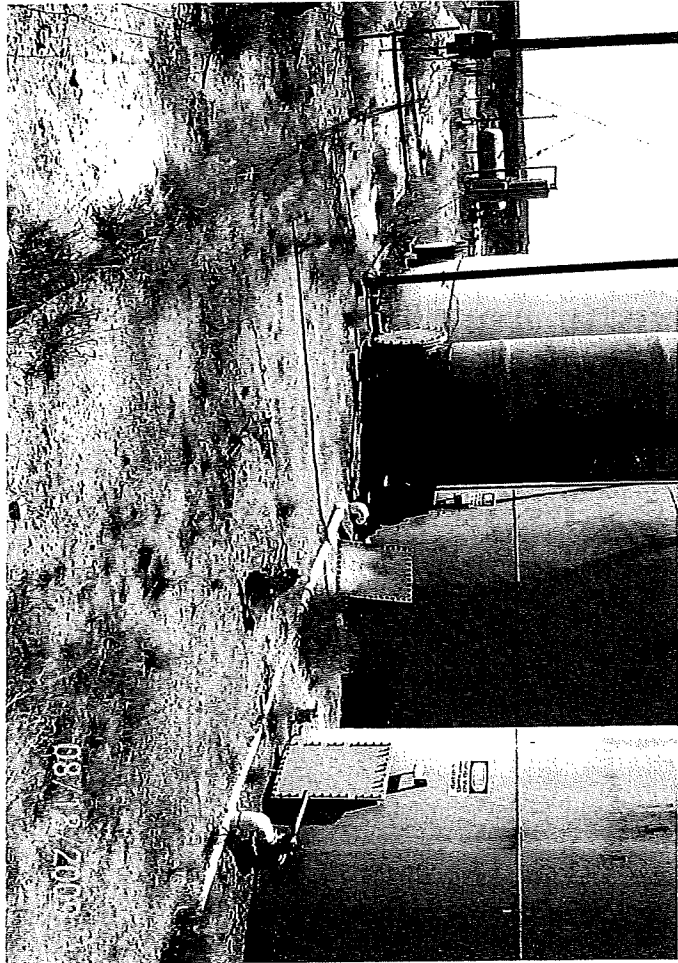
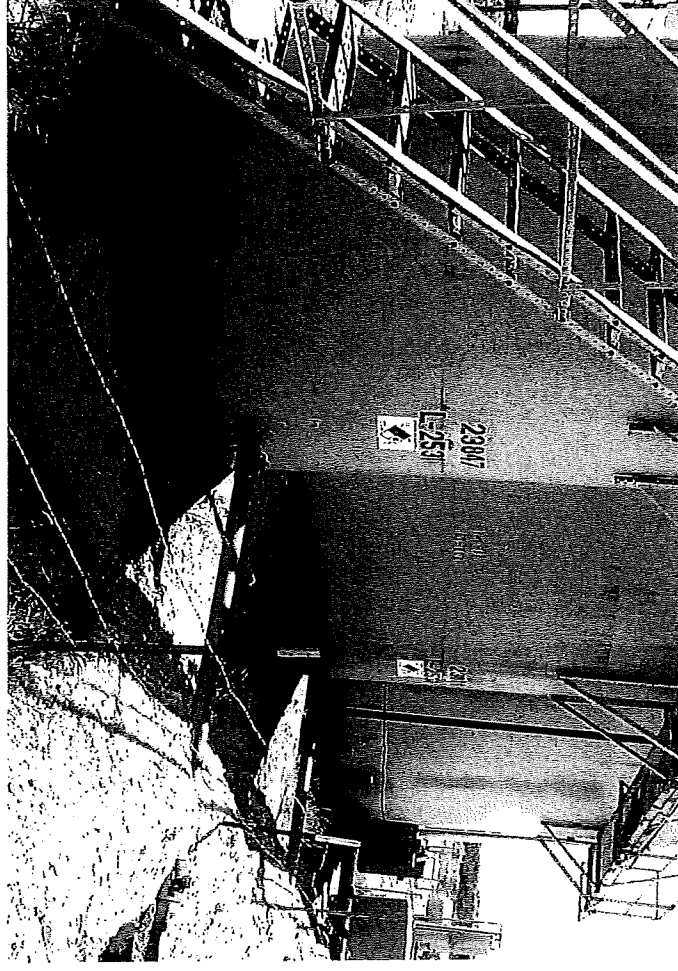
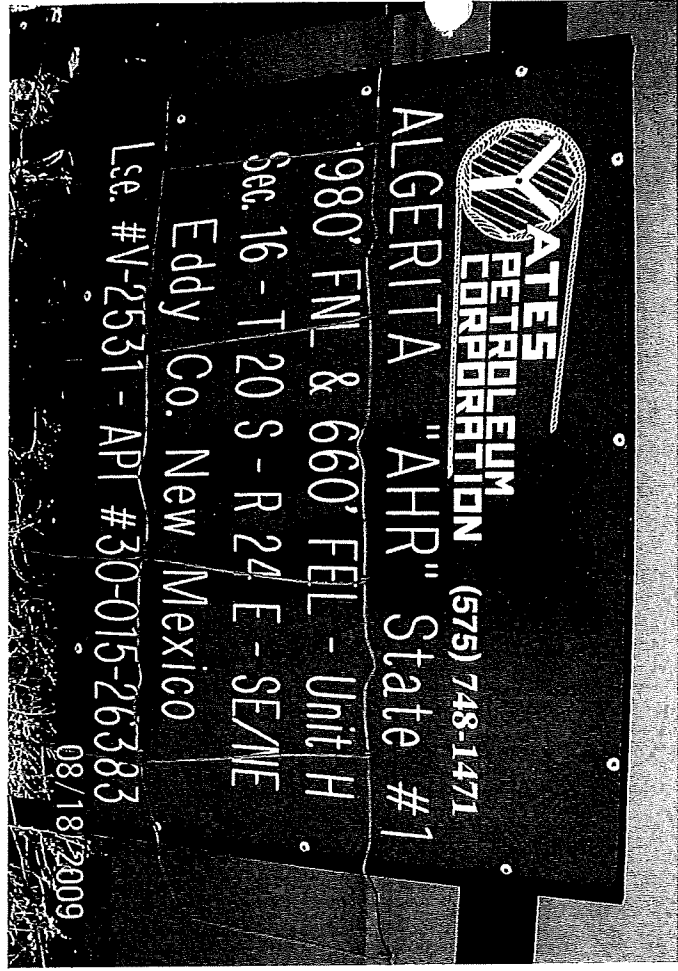
Contact: _____ Contacted by: _____ Date/ Time: _____

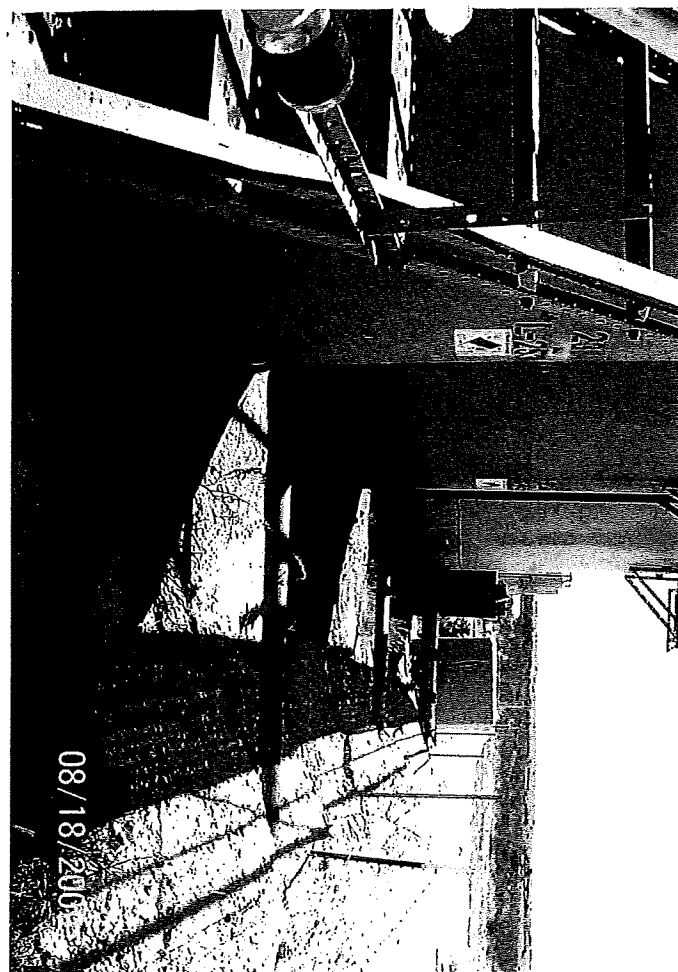
Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

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





Date: 09-29-09 11 1b 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 NHR 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		
	(TANK # 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			

LOCATION OF RELEASE								
Un 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		

Type of Release Condensate		NATURE OF RELEASE	
Source of Release Production tank		Volume of Release 20 B/C	Volume Recovered 0 B/C
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required		Date and Hour of Occurrence 8/12/2009 - AM	Date and Hour of Discovery 8/12/2009 - PM
By Whom? N/A		If YES, To Whom? N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Date and Hour N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		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 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 and 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	
Name: Robert Asher		Approved by District Supervisor:	
Environmental Regulatory Agent		Approval Date:	
Address: boba@yatespetroleum.com		Expiration Date:	
Day, August 21, 2009		Conditions of Approval:	
Additional Sheets If Necessary		Attached <input type="checkbox"/>	
Phone: 575-748-4217			

Received by OCD 10/20/2021 4:05 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