

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Monday, March 28, 2011 2:36 PM
To: 'Bob Asher'
Cc: Jerry Fanning
Subject: RE: Sample Results (Creek AL Federal #19)

Bob,

With no resolution of the chloride issue in sight (at least on my end), in consideration of the data showing chlorides were never very high, the latest data shows a decline, and, all other constituents tested for are ND, I will approve a closure request for this site.

MIKE BRATCHER

NMOCD District 2
1301 W. Grand Ave.
Artesia, NM 88210
575-748-1283 Ext.108
575-626-0857
mike.bratcher@state.nm.us

From: Bob Asher [mailto:BobA@yatespetroleum.com]
Sent: Monday, March 28, 2011 10:53 AM
To: Bratcher, Mike, EMNRD
Cc: Jerry Fanning
Subject: RE: Sample Results (Creek AL Federal #19)

Mike,

Sorry for the delay on this project, based on the November 11, 2011 sample results soils were excavated (to remove concentrations of BTEX) to a depth of eight (8) feet and delineation samples (3/21/2011) show TPH/BTEX as non-detectable and no drastic increases in chlorides. Based on these results I would like to submit a Final C-141 to request closure of the site. If you have any questions, please contact me.

CREEK AL FEDERAL #19

Sample ID	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	9/13/2010	Comp/Auger	6" (0.5')	47.5	357	1610	1967	514
Comp-01.0	Release Area	9/13/2010	Comp/Auger	12" (1.0')	57.1	715	2250	2965	396
Comp-01.5	Release Area	9/13/2010	Comp/Auger	18" (1.5')	86.5	765	1890	2655	556
A total of two (2) feet of impacted soils were excavate and taken to an NMOCD approved facility.									
Sample ID	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	10/21/2010	Comp/Auger	6" (2.5')	1.9	95.8	670	766	343
Comp-01.0	Release Area	10/21/2010	Comp/Auger	12" (3.0')	13.3	402	2100	2502	437

Bratcher, Mike, EMNRD

From: Bob Asher [BobA@yatespetroleum.com]
Sent: Monday, March 28, 2011 10:53 AM
To: Bratcher, Mike, EMNRD
Cc: Jerry Fanning
Subject: RE: Sample Results (Creek AL Federal #19)
Attachments: Analytical Report 410556 Creek AL Federal #19.pdf; Analytical Report 410557 Creek AL Federal #19.pdf

Mike,

Sorry for the delay on this project, based on the November 11, 2011 sample results soils were excavated (to remove concentrations of BTEX) to a depth of eight (8) feet and delineation samples (3/21/2011) show TPH/BTEX as non-detectable and no drastic increases in chlorides. Based on these results I would like to submit a Final C-141 to request closure of the site. If you have any questions, please contact me.

CREEK AL FEDERAL #19

Sample ID	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	9/13/2010	Comp/Auger	6" (0.5')	47.5	357	1610	1967	514
Comp-01.0	Release Area	9/13/2010	Comp/Auger	12" (1.0')	57.1	715	2250	2965	396
Comp-01.5	Release Area	9/13/2010	Comp/Auger	18" (1.5')	86.5	765	1890	2655	556
A total of two (2) feet of impacted soils were excavate and taken to an NMOGD approved facility									
Sample ID	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	10/21/2010	Comp/Auger	6" (2.5')	1.9	95.8	670	766	343
Comp-01.0	Release Area	10/21/2010	Comp/Auger	12" (3.0')	13.3	402	2100	2502	437
Comp-01.5	Release Area	10/21/2010	Comp/Auger	18" (3.5')	15.3	389	1950	2339	736
Sample ID	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-00.5	Release Area	11/11/2010	Comp/Auger	6" (4.0')	8.2	142	720	862	582
Comp-01.0	Release Area	11/11/2010	Comp/Auger	12" (4.5')	53.0	265	778	1043	1330
Comp-01.5	Release Area	11/11/2010	Comp/Auger	18" (5.0')	200.7	979	2370	3349	1540
Additional six (6) feet (total depth is 8') of impacted soils were excavated/taken to an NMOGD approved facility									
Sample ID	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-09.0	Release Area	3/21/2011	Comp/Auger	1' (9.0')	ND	ND	ND	ND	850
Comp-10.0	Release Area	3/21/2011	Comp/Auger	2' (10.0')	ND	ND	ND	ND	603
Comp-11.0	Release Area	3/21/2011	Comp/Auger	3' (11.0')	ND	ND	ND	ND	581

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 184', per trend map).

All results are ppm. Chloride results are for documentation.

Sample ID	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chloride
Comp-00.5	Release Area	9/13/2010	Grab/Auger	6" (6")	47.47	357	1610	1967	5
Comp-01.0	Release Area	9/13/2010	Grab/Auger	12" (12")	57.11	715	2250	2965	3
Comp-01.5	Release Area	9/13/2010	Grab/Auger	18" (18")	86.49	765	1890	2655	5
Sample ID	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	TOTAL	Chloride
Comp-00.5	Release Area	10/21/2010	Grab/Auger	6" (30")	1.8780	95.8	670	766	3
Comp-01.0	Release Area	10/21/2010	Grab/Auger	12" (36")	13.344	402	2100	2502	4
Comp-01.5	Release Area	10/21/2010	Grab/Auger	18" (42")	15.256	389	1950	2339	7

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 184', per trend map).

All results are ppm. Chloride results are for documentation.

A total of two (2) feet of impacted soils were excavate and taken to an NMOCD approved facility.



Robert Asher
Yates Petroleum Corporation
boba@yatespetroleum.com
575-748-4217 (Office)
575-365-4021 (Cell)
575-748-4662 (Fax)

-----Original Message-----

From: Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]
Sent: Tuesday, November 02, 2010 8:43 AM
To: Bob Asher
Cc: Jerry Fanning
Subject: RE: Sample Results (Creek AL Federal #19)

Bob,

I have a couple of questions:

Are these the correct sample dates?

Has any material been excavated at this site?

Mike Bratcher
 NMOCD District 2

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Analytical Report 410556

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Creek AI Federal # 19

30-015-32896

24-MAR-11



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-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: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



24-MAR-11

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

Reference: XENCO Report No: **410556**
Creek Al Federal # 19
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 410556. 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. 410556 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 410556



Yates Petroleum Corporation, Artesia, NM
Creek AI Federal # 19

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-09.0	S	Mar-21-11 10:26	9 - 9 ft	410556-001
Comp-10.0	S	Mar-21-11 10:43	10 - 10 ft	410556-002
Comp-11.0	S	Mar-21-11 10:57	11 - 11 ft	410556-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Creek At Federal # 19



Project ID: 30-015-32896
Work Order Number: 410556

Report Date: 24-MAR-11
Date Received: 03/22/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-849032 BTEX by EPA 8021B
SW8021BM

Batch 849032, m_p-Xylenes recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 410556-001, -002, -003.

The Laboratory Control Sample for m_p-Xylenes is within laboratory Control Limits



Certificate of Analysis Summary 410556

Yates Petroleum Corporation, Artesia, NM

Project Name: Creek Al Federal # 19



Project Id: 30-015-32896

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Tue Mar-22-11 10:15 am

Report Date: 24-MAR-11

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	410556-001	410556-002	410556-003			
	<i>Field Id:</i>	Comp-09.0	Comp-10.0	Comp-11.0			
	<i>Depth:</i>	9-9 ft	10-10 ft	11-11 ft			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Mar-21-11 10:26	Mar-21-11 10:43	Mar-21-11 10:57			
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-22-11 13:35	Mar-22-11 13:35	Mar-22-11 13:35			
	<i>Analyzed:</i>	Mar-23-11 00:21	Mar-23-11 00:44	Mar-23-11 01:06			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		ND 0.0011	ND 0.0011	ND 0.0011			
Toluene		ND 0.0021	ND 0.0021	ND 0.0021			
Ethylbenzene		ND 0.0011	ND 0.0011	ND 0.0011			
m_p-Xylenes		ND 0.0021	ND 0.0021	ND 0.0021			
o-Xylene		ND 0.0011	ND 0.0011	ND 0.0011			
Total Xylenes		ND 0.0011	ND 0.0011	ND 0.0011			
Total BTEX		ND 0.0011	ND 0.0011	ND 0.0011			
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Mar-22-11 17:00	Mar-22-11 17:00	Mar-22-11 17:00			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		5.35 1.00	4.81 1.00	4.00 1.00			
TPH By SW8015B Mod	<i>Extracted:</i>	Mar-22-11 10:45	Mar-22-11 10:45	Mar-22-11 10:45			
	<i>Analyzed:</i>	Mar-23-11 04:04	Mar-23-11 04:34	Mar-23-11 05:05			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		ND 15.8	ND 15.8	ND 15.6			
C10-C28 Diesel Range Hydrocarbons		ND 15.8	ND 15.8	ND 15.6			
Total TPH		ND 15.8	ND 15.8	ND 15.6			

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

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 Brent Barron, II
 Odessa Laboratory Manager



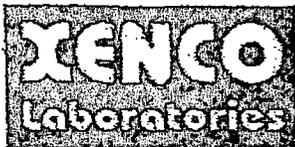
Flagging Criteria

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

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



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

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

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum
 Date/Time: 3-21-11 10:15
 Lab ID #: 410556 / 410557
 Initials: AF

Sample Receipt Checklist

1. Samples on ice?	Blue	<input checked="" type="radio"/> Water	No	
2. Shipping container in good condition?	<input checked="" type="radio"/> Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<input checked="" type="radio"/> Yes	No	N/A	
4. Chain of Custody present?	<input checked="" type="radio"/> Yes	No		
5. Sample instructions complete on chain of custody?	<input checked="" type="radio"/> Yes	No		
6. Any missing / extra samples?	Yes	<input checked="" type="radio"/> No		
7. Chain of custody signed when relinquished / received?	<input checked="" type="radio"/> Yes	No		
8. Chain of custody agrees with sample label(s)?	<input checked="" type="radio"/> Yes	No		
9. Container labels legible and intact?	<input checked="" type="radio"/> Yes	No		
10. Sample matrix / properties agree with chain of custody?	<input checked="" type="radio"/> Yes	No		
11. Samples in proper container / bottle?	<input checked="" type="radio"/> Yes	No		
12. Samples properly preserved?	<input checked="" type="radio"/> Yes	No	N/A	
13. Sample container intact?	<input checked="" type="radio"/> Yes	No		
14. Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/> Yes	No		
15. All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	No		
16. Subcontract of sample(s)?	Yes	No	<input checked="" type="radio"/> N/A	
17. VOC sample have zero head space?	<input checked="" type="radio"/> Yes	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 3.6 °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

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

Analytical Report 410557

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Creek AL Federal # 19

30-015-32896

24-MAR-11



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12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-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: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



24-MAR-11

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

Reference: XENCO Report No: **410557**
Creek AL Federal # 19
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 410557. 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. 410557 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 410557



Yates Petroleum Corporation, Artesia, NM
Creek AL Federal # 19

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-09.0	S	Mar-21-11 10:26	9 - 9 ft	410557-001
Comp-10.0	S	Mar-21-11 10:43	10 - 10 ft	410557-002
Comp-11.0	S	Mar-21-11 10:57	11 - 11 ft	410557-003



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Creek AL Federal # 19



Project ID: 30-015-32896
Work Order Number: 410557

Report Date: 24-MAR-11
Date Received: 03/22/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None



Certificate of Analysis Summary 410557

Yates Petroleum Corporation, Artesia, NM

Project Name: Creek AL Federal # 19



Project Id: 30-015-32896

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Tue Mar-22-11 10:15 am

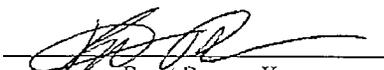
Report Date: 24-MAR-11

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	410557-001	410557-002	410557-003			
	<i>Field Id:</i>	Comp-09.0	Comp-10.0	Comp-11.0			
	<i>Depth:</i>	9-9 ft	10-10 ft	11-11 ft			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Mar-21-11 10:26	Mar-21-11 10:43	Mar-21-11 10:57			
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Mar-22-11 13:43	Mar-22-11 13:56	Mar-22-11 14:09			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		850 17.7	603 17.6	581 17.5			
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Mar-22-11 17:00	Mar-22-11 17:00	Mar-22-11 17:00			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		5.35 1.00	4.81 1.00	4.00 1.00			

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

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 Brent Barron, II
 Odessa Laboratory Manager



Flagging Criteria

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

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XENCO Laboratories
 Atlanta, Boca Raton, Corpus Christi, Dallas
 Houston, Miami, Odessa, Philadelphia
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Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum
 Date/Time: 3-22-11 10:15
 Lab ID #: 410556 / 410557
 Initials: AF

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 3.0 °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