

## Bratcher, Mike, EMNRD

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**From:** Lupe Carrasco <LCarrasco@yatespetroleum.com>  
**Sent:** Tuesday, October 23, 2012 12:01 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** jamos@blm.gov  
**Subject:** Creek AL Federal #12

Mike,

As per our conversation on October 23, 2012, Yates Petroleum Corporation has verbal approval to perform the following in regards to the Creek AL Federal #12:

- Excavate down to 28' and haul impacted soil for disposal.
- Back fill using the remediated soil (stock pile) on location.
- Submit a C-141 Final for closure of the initial C-141 submitted on August 20, 2012.

Thanks!

Lupe Carrasco  
*Environmental Regulatory Agent*  
Yates Petroleum Corporation  
Office: (575) 748-4350  
Fax: (575) 748-4131  
Cell: (575) 513-9074

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**Yates Petroleum Corporation**

**Creek AL Federal #12**

**Section 25, T18S-R30E**

**Eddy County, New Mexico**

**October 23, 2012**

*EXC to 28'  
re-use stockpile*

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## **V. Scope of Work (Previously approved August 31, 2012)**

Upon approval of this work plan and based on the enclosed analytical results, Yates Petroleum Corporation will have a contractor excavate 2' of the remaining impacted soil (total excavation will be 20' X 60' X 12' deep). Impacted soils excavated will be stock piled on plastic and remediated on site until sample analysis indicate that levels are below RRAL's. Remediation will consist of working the material bi-monthly and adding water and fertilizer as needed. Once samples indicate levels below RRAL's, Yates Petroleum Corporation will submit a C-141 for closure. Based on approval, the remediated soil will be returned to the excavation area and soil will be brought in from a neighboring pit to backfill the excavated area and returned the area to its natural state.

### **Addendum to Scope of Work**

This addendum is submitted due to the misfortune of a second spill occurring over the initial spill dated August 15, 2012. Yates Petroleum Corporation has sampled for delineation to a depth of 30'. Excavation of all impacted soil to a depth of approximately 25' has been removed and hauled for disposal. At a depth of 24', a red clay layer was reached causing the accumulation of chlorides. At a depth of approximately 26' to 28', a caliche layer was reached in the process. Based on analytical results submitted for the impacted area and the soil properties involved, Yates Petroleum Corp. would like to begin backfill of the excavation. Upon approval, a C-141 Final will be submitted for closure of the Initial C-141 dated August 17, 2012.

## Creek AL Federal #12

Analytical Report- H202526	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
*P-16'	10/16/2012	16'	585	11200	24000	35200	2240
*P-18'	10/16/2012	18'	821	14400	19600	34000	2960
*P-20'	10/16/2012	20'	237	3470	5020	8490	2240
*P-22'	10/16/2012	22'	0.5	ND	ND	ND	4560
*P-24'	10/16/2012	24'	.7	ND	24.9	24.9	7600

Analytical Report- H202547	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
P-26'	10/18/2012	26'					5360
P-28'	10/18/2012	28'					5500
P-30'	10/18/2012	30'					1960

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

All results are ppm.Chlorides for documentation.

Release Date: 10/10/2012

\* Cells in red have been excavated and hauled for disposal. Excavated down to ~25'.

October 22, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: CREEK AL FEDERAL #12

Enclosed are the results of analyses for samples received by the laboratory on 10/18/12 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

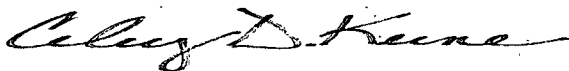
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

Yates Energy Petroleum Corp  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 10/18/2012  
Reported: 10/22/2012  
Project Name: CREEK AL FEDERAL #12  
Project Number: NONE GIVEN  
Project Location: EDDY

Sampling Date: 10/18/2012  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Celey D. Keene

**Sample ID: P-26' (H202547-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	10/19/2012	ND	416	104	400	0.00		

**Sample ID: P-28' (H202547-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5500	16.0	10/19/2012	ND	416	104	400	0.00		

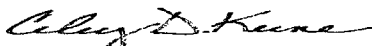
**Sample ID: P-30' (H202547-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	10/19/2012	ND	416	104	400	0.00	

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

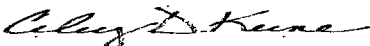
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: West A. Ford #1

**Project #:****Project Loc:**

**PO #: 103-163**

Fax No: .







Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: [lcarrasco@yatespetroleum.com](mailto:lcarrasco@yatespetroleum.com)

[illegible]**Special Instructions:**

Relinquished by: <i>Joe Cousins</i>	Date: <i>10/18/12</i>	Time: <i>7:10am</i>	Received by: <i>C. J. Greene</i>	Date: <i>10/18/12</i>	Time: <i>2:10pm</i>
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: ELOT	Date:	Time:

**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 Fedex Lone Star		
Temperature Upon Receipt: 22.5		°C

#26

October 22, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: CREEK AL FEDERAL #12

Enclosed are the results of analyses for samples received by the laboratory on 10/18/12 14:10.

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Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

Yates Energy Petroleum Corp  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received:	10/18/2012	Sampling Date:	10/18/2012
Reported:	10/22/2012	Sampling Type:	Soil
Project Name:	CREEK AL FEDERAL #12	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY		

**Sample ID: STOCKPILE (H202548-01)**

BTEX 8021B	mg/kg	Analyzed By: ms						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2012	ND	2.50	125	2.00	5.02	
Toluene*	<0.050	0.050	10/20/2012	ND	2.54	127	2.00	4.23	
Ethylbenzene*	<b>0.132</b>	0.050	10/20/2012	ND	2.57	129	2.00	5.55	
<b>Total Xylenes*</b>	<b>0.283</b>	0.150	10/20/2012	ND	7.74	129	6.00	5.13	

Surrogate: 4-Bromofluorobenzene (PID) 179 % 89 4-126

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/20/2012	ND	166	83.2	200	5.81	
<b>DRO &gt;C10-C28</b>	<b>1470</b>	50.0	10/20/2012	ND	159	79.4	200	9.04	

Surrogate 1-Chlorooctane 80 9 % 65 2-140

Surrogate: 1-Chlorooctadecane 106 % 63 6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

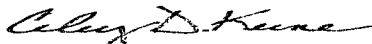
- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*              Samples not received at proper temperature of 6°C or below.
- \*\*\*            Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



(505) 393-2326 FAX (505) 393-2476

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Page 4 of 4

**Project Manager:** Lupe Carrasco

**Project Name:**

Comp: (505) 393-2326 Yates Petroleum Corporation

**Project #:**

**Company Address:** 105 South 4th Street

**Project Loc:**

City/State/Zip:      Artesia, NM 88210

**PO #: 103-163**

Telephone No: 575-748-4350

**Fax No:**

**Report Format:** ☒ Standard ☐ TRRP ☐ NPDES

**Sampler Signature:**

e-mail: [lcarrasco@yatespetroleum.com](mailto:lcarrasco@yatespetroleum.com)

[illegible]

#76