

Thursday, April 11, 2019

Timber Creek Energy

Joe Amato

21603 Hwy 12

Trinidad, CO 81082

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josephamato@tcenergy.us

Re: Project Name: COARLA05a Existing

Project Number: 032A-A

Oxidor received 1 liquid sample(s). The analysis performed were as follows:

<u>Sample</u>	<u>Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Analysis</u>
19040091-001	032A-A	Liquid	4/2/2019 12:55	Total Dissolved Solids, Total Suspended Solids

To the best of my knowledge, all problems/ anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified via associated flags and/ or in the case narrative. The analyses and data met requirements of NELAC except where noted. All non-NELAC methods are identified accordingly and all estimated uncertainties of test results are within method or EPA specifications.

Respectfully submitted,



Charles Brungardt

President

Timber Creek Energy
Joe Amato

Analytical Report

Project Name: **COARLA05a Existing**

Customer Sample ID: **032A-A**

Oxidor Sample ID: 19040091-001

Sample Received: 4/3/2019

Matrix: **Liquid**

Sample Collected: **4/2/2019 12:55**

Parameter	MQL	PQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Total Dissolved Solids	25	25.0	895	mg/L	04/05/19 14:30	SM-2540-C	K.V.	
Total Suspended Solids	5	5.0	ND	mg/L	04/05/19 10:05	SM-2540-D	K.V.	

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Sample Cross Reference

Project Name: **COARLA05a Existing**

Customer ID:	Lab ID:	Test	Method	QCBatchID:
032A-A	19040091-001	Total Dissolved Solids	SM-2540-C	TDS__04626_L
		Total Suspended Solids	SM-2540-D	TSS__09340_L

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QC Summary

Project Name: **COARLA05a Existing**

QC Type	Parameter	Result	Reference Value	Spike Conc	Rec	Rec Limits	RPD	RPD Limits	Flags
QCBatchID TDS__04626_L									
Blank	Total Dissolved Solids	ND mg/L							
LCS	Total Dissolved Solids	985 mg/L		1000 mg/L	99%	90-110%			
LCSD	Total Dissolved Solids	970 mg/L		1000 mg/L	97%	90-110%	1.5%	0-5%	
Replicate	Total Dissolved Solids	820 mg/L	820 mg/L				0.0%	0-5%	
QCBatchID TSS__09340_L									
Blank	Total Suspended Solids	ND mg/L							
LCS	Total Suspended Solids	476 mg/L		500 mg/L	95%	85-115%			
LCSD	Total Suspended Solids	468 mg/L		500 mg/L	94%	85-115%	1.7%	0-15%	
Replicate	Total Suspended Solids	48.8 mg/L	53.8 mg/L				9.7%	0-15%	

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Case Narrative

Project Name: **COARLA05a Existing**

ppm	Parts per million = mg/Kg or mg/L
ppb	Parts per billion = ug/Kg or ug/L
MQL	Method quantitation limit
SDL	Sample detection limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilutions)
SQL	Sample quantitation limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilution)
ND	Analyte not detected at or above SQL
LCS/LCSD	Laboratory control spike / Laboratory control spike duplicate
MS/MSD	Matrix spike / Matrix spike duplicate
RPD	Relative percent difference
Sub	Analysis performed by subcontract laboratory

Solid samples submitted to the laboratory for analysis by SW-846 Method 8260 should be collected by SW-846 Method 5035. Those samples in which concentrations are less than or equal to 200 ug/kg should be collected in accordance with SW-846 Method 5035, Section 6.2.1. For samples with higher concentrations (> 200 ug/kg), collect samples by SW-846 Method 5035, Section 6.2.2 or 6.2.3. Sample results may not accurately reflect volatile concentrations if collection is not performed according to the referenced methodologies.

Solid samples submitted to the laboratory for analysis by TNRCC Method 1005 should be collected in accordance to the methodology. Those samples in which concentrations of C6 to C12 are known to be absent, or fall under the Petroleum Storage Tank (PST) rule, may be collected in bulk sample jars in accordance with TNRCC Method 1005, Revision 3 clarifications. For samples with concentrations of C6 to C12, or where knowledge of the site does not exist, collect samples by TNRCC Method 1005, Section 6.1. Sample results may not accurately reflect TPH concentrations if collection is not performed according to the referenced methodologies.

Solid sample results reported on a dry weight basis for all applicable analysis, unless otherwise noted. Dry weight calculations based upon % solids obtained as outlined in EPA method 5035 section 7.5.

Final TSS residue weight for sample 19040091-001 was <2.5 mg on filter.

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Oxidior Laboratories, LLC certifies to the best of its knowledge that all results contained in this report are consistent with the National Environmental Laboratory Accreditation Program, except where otherwise noted.

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Sample Preservation Verification

Project Name: **COARLA05a Existing**

Receipt temp: **1.0 °C on Ice**

Receipt method: **Fed Ex**

Custody seal intact: **Yes**

All samples / labels received intact: **Yes**

Customer Sample ID: **032A-A**

Collected By: **Dennis Barton**

Oxidor Sample ID: **19040091-001**

Collector Affiliation: **Timber Creek Energy**

Collected: **04/02/19 12:55**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		Temp	-
1000 mL Plastic	1	Grab		Temp	-

Sample conditions at time of receipt at laboratory verified in part or in whole by:

N.F.



Documentation

PROJECT DESCRIPTION: **COARLA05a Existing**

OxidOR Laboratories, LLC

1825 E Plano Pkwy, Suite 160
Plano, TX 75074
Phone: 972-424-6422 - Email: hyoungblood@oxidor.com

ANALYTIC CHAIN-OF-CUSTODY PARAMETERS FOR ANALYSIS

19040091

Company Name: Timber Creek Energy LLC
Address: 21603 State Hwy 12
Trinidad, CO 81082
Contact: Joseph Amato
Phone #: 719-845-2110
Project # / Name: COARLA05a Existing
Permit #: CO0048062

Preservative
Containers
Total Suspended Solids
Total Dissolved Solids
Insitu pH
Sample Description
Sample Date
Time MST
Matrix Liquid
Time MST
Temp/ (C)mp/ (G)rab
Ice/

Collected by: (Signature)	<u>P. Burt</u>	Date:	<u>4-2-19</u>	Time:	<u>4:30 pm</u>
Relinquished by: (Signature)	<u>P. Burt</u>	Date:		Time:	
Received by: (Signature)	<u>[Signature]</u>	Date:	<u>4/3/19</u>	Time:	<u>830</u>
Method of Shipment:	<u>Fed Ex</u>				
Additional Comments:	<u>2nd Qtr AC</u>				

10.0°C ex 104