

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 ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-141
Revised October 1, 2003Submit 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	Cimarex Energy Co. of Colorado	Contact	Michael Fraley
Address	600 N. Marienfeld St. Ste 600; Midland, TX 79701	Telephone No.	575-390-9097
Facility Name	Ticonderoga 16 St Com #3	Facility Type	Frac tank
Surface Owner	SLO	Mineral Owner	SLO
		Lease No.	OG-5911

LOCATION OF RELEASE API# 30-005-2906100-00

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	16	15S	31E	1980	South	375	East	Chaves

Latitude 33° 00' 50.60" N Longitude 103° 49' 09.87"

NATURE OF RELEASE

Type of Release	Frac fluid	Volume of Release	80 bbls	Volume Recovered	5 bbls
Source of Release	Flow back valve broke	Date and Hour of Occurrence	2-5-10 2:00 AM to 2:40 AM	Date and Hour of Discovery	7:00 AM 2-5-10
Was Immediate Notice Given?	☐ Yes ☒ No ☐ Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

WATER @ 200'

Describe Cause of Problem and Remedial Action Taken.*

V M J Oil Field Services flow back valve on bottom of frac tank broke spilling approximately 80 barrels of frac fluid off east side of well pad. 5 barrels recovered.

Describe Area Affected and Cleanup Action Taken.*

50' X 50' off east side of well pad. Vacuumed 5 barrels of standing water. Area was dry with-in 24 hrs. Contacted Roadrunner Environmental, (Joe Zuquua 375-361-2793) to remove soil and test for chlorides. Will back fill with top soil and reclaim affected area accordingly.

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>Zeno Farris</i>		OIL CONSERVATION DIVISION	
Printed Name: Zeno Farris		APPROVED BY: <i>Geoffrey Lebling</i>	
Title: Mgr Operations Admin		Approval Date: 04/15/10	Expiration Date: 06/15/10
E-mail Address: <i>zfarris@cimarex.com</i>		Conditions of Approval: SUBMIT FINAL	
Date: 2/11/10	Phone: 432-620-1938	C-141 BY 06/15/10	Attached ☐ IRP-10-4-2479

* Attach Additional Sheets If Necessary



ROADRUNNER ENVIRONMENTAL, INC.

P.O. Box 1238

1705 E. GREENE ST.

CARLSBAD, NM 88220

OFFICE: (575)887-6067

FAX: (575)887-2057

FACSIMILE COVER SHEET

NUMBER OF PAGES INCLUDING COVER SHEET: 5

DATE:

3-25-10

FROM:

JOE F.

TO:

GEOFFREY LEKING 575-393-0721

SUBJECT:

TICONDEROGA 16 St Com #3

REMARKS:

LAST LAB REPORTS -ANY QUESTIONS - please callThanks,Joe F.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 25, 2010

Joe F.
Roadrunner Environmental
P.O. Box 1236
Carlsbad, NM 88220

Re: Ticoderoga 16 State Com #3

Enclosed are the results of analyses for sample number H19504, received by the laboratory on 03/22/10 at 11:55 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

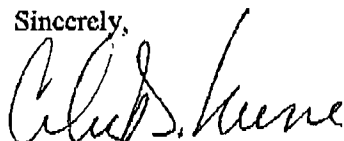
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

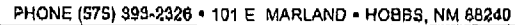
Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 4 (includes Chain of Custody)

Sincerely,


Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



Analysis Date: 03/23/10
Sampling Date: 03/22/10
Sample Type: SOIL
Sample Condition: INTACT @ 20°C
Sample Received By: JH
Analyzed By: CK

[illegible]

METHOD: Standard Methods 4500-ClB

Note: Analyses performed on 1:4 w/v aqueous extracts.

Allyl Kene
Chemist

Date 03/24/12

H19504 Roadrunner Environmental

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for inlays. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service, in no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client. In no event shall Cardinal or its successors be liable for any claim arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



PHONE (575) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ROADRUNNER ENVIRONMENTAL
ATTN: JOE F.
P.O. BOX 1236
CARLSBAD, NM 88220
FAX TO: (575) 887-2057

Receiving Date: 03/22/10
Reporting Date: 03/25/10
Project Owner: CIMAREX
Project Name: NOT GIVEN
Project Location: TICONDEROGA 16 ST COM #3

Sampling Date: 03/22/10
Sample Type: SOIL
Sample Condition: INTACT @ 20°C
Sample Received By: JH
Analyzed By: AB/ZL

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
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ANALYSIS DATE:	03/25/10	03/25/10	03/23/10	03/23/10	03/23/10	03/23/10
H19504-2* BACKFILL TICONDEROGA	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
16 ST COM 1 H						
Quality Control	506	535	0.056	0.044	0.047	0.134
True Value QC	500	500	0.050	0.050	0.050	0.150
% Recovery	101	107	112	88.0	94.0	89.3
Relative Percent Difference	0.6	13.6	6.4	4.8	2.8	3.5

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Not accredited for GRO/DRO.

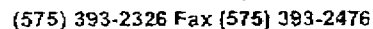
*One or more TPH surrogates outside historical limits due to matrix interference.

Chemist

03/25/10
Date

H19504 TPHBTEX AREA

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.





ROADRUNNER ENVIRONMENTAL, INC.

P.O. BOX 1238

1705 E. GREENE ST.

CARLSBAD, NM 88220

OFFICE: (575) 387-6067

FAX: (575) 887-2057

FACSIMILE COVER SHEET

NUMBER OF PAGES INCLUDING COVER SHEET: _____

DATE 3-19-10FROM Mike FelkinsTO GEOFFREY LEICING FAX 575-
393-0720SUBJECT SAMPLE RESULTSREMARKS AS REQUESTED HERE ARE
LAST SAMPLE RESULTS.
ANY QUESTIONS PLEASE CALL-Thanks,
Mike Felkins



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 18, 2010

Joe F.
Roadrunner Environmental
P.O. Box 1236
Carlsbad, NM 88220

Re: Ticoderoga 16 State Com #3

Enclosed are the results of analyses for sample number H19465, received by the laboratory on 03/17/10 at 3:45 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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

Method EPA 552.2	Haloacetic Acid: (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOC: (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,



Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

FAX TO: (575) 487-2057

Analyzed By: HM

NOT GIVEN

Note: Analysis performed on a 1:4 w/v aqueous extract.

Date 03/18/10

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for such services, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and resolved by Cardinal within thirty (30) days after completion of the applicable services. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. All rules relate only to the remedies identified above. This report shall not be reproduced except in full with written consent of Cardinal Laboratories.

02/03

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LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR



ARDINA LABORATORIES

101 East Merland, Hobbs, NM 86240

(575) 393-2326 Fax (575) 393-2476

Page ____ of ____

Company Name: Roadrunner ENV				BILL TO		ANALYSIS REQUEST											
Project Manager: Joe F				P.O. #:													
Address:				Company: Roadrunner													
City: Carlsbad State: N.M. Zip: 88220				Attn:													
Phone #: Fax #:				Address:													
Project #: Project Owner: Cimarex				City: Carlsbad													
Project Name: Ticonderoga 16 St com #3				State: Zip:													
Project Location:				Phone #:													
Sampler Name: Mike Fellens				Fax #:													
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	PRESERV ACID/BASE: ICE / COOL OTHER:	SAMPLING DATE TIME	Chlorides											
H194145-																	
-1 #2	G		✓		3/17 2:10												
-2 #3B	G		✓		3/17 2:15												
-3 #5	G		✓		3/17 2:20												
-4 #6	G		✓		3/17 2:25												

PLEASE NOTE: Velocity and Damages, Gametime and/or the Club's exclusive remedy for any claim arising whether based on contract or tort, shall be limited to the amount paid by the Club for the tickets. All tickets, including those for a game played on any other date whatsoever shall be deemed waived unless made, manufactured and received by Cardinal within 30 days after completion of the applicable game. In no event shall Cardinal be liable for indirect or consequential damages, including but not limited to, business interruption, loss of use, or loss of profits incurred by club's subscribers, affiliates or sponsors as a result of or caused by the purchase of tickets hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished: <i>Mike Felt</i> Date: <i>7/7</i> Time: <i>8:45</i>		Received By: 		Phone Result: ☐ No Add'l Phone #: Fax Result: ☐ No Add'l Fax #: REMARKS:	
Relinquished By: Date: <i>3/17/10</i> Time: <i>3:45</i>		Received By: <i>Gadi Henson</i> 			
Delivered By: (Circle One) Sample: ☒ UPS ☐ Bus ☐ Other:		Temp.: <i>20°C</i> Sample Condition: ☒ Intact ☐ Cool Yes ☒ No ☐ Yes ☐ No		CHECKED BY: <i>GH</i> (Initials)	

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



ROADRUNNER ENVIRONMENTAL, INC.
P.O. BOX 1238
1705 E. GREENE ST.
CARLSBAD, NM 88220
OFFICE: (575) 887-6067
FAX: (575) 887-2057

RECEIVED

MAR 17 2010
HOBBSOCD

FACSIMILE COVER SHEET

NUMBER OF PAGES INCLUDING COVER SHEET: 2

DATE:

3/17 2010

FROM:

Mike Felkins

TO:

Geoffrey Laking

SUBJECT:

Cimarex - Tijerenderoga 16 st com #5

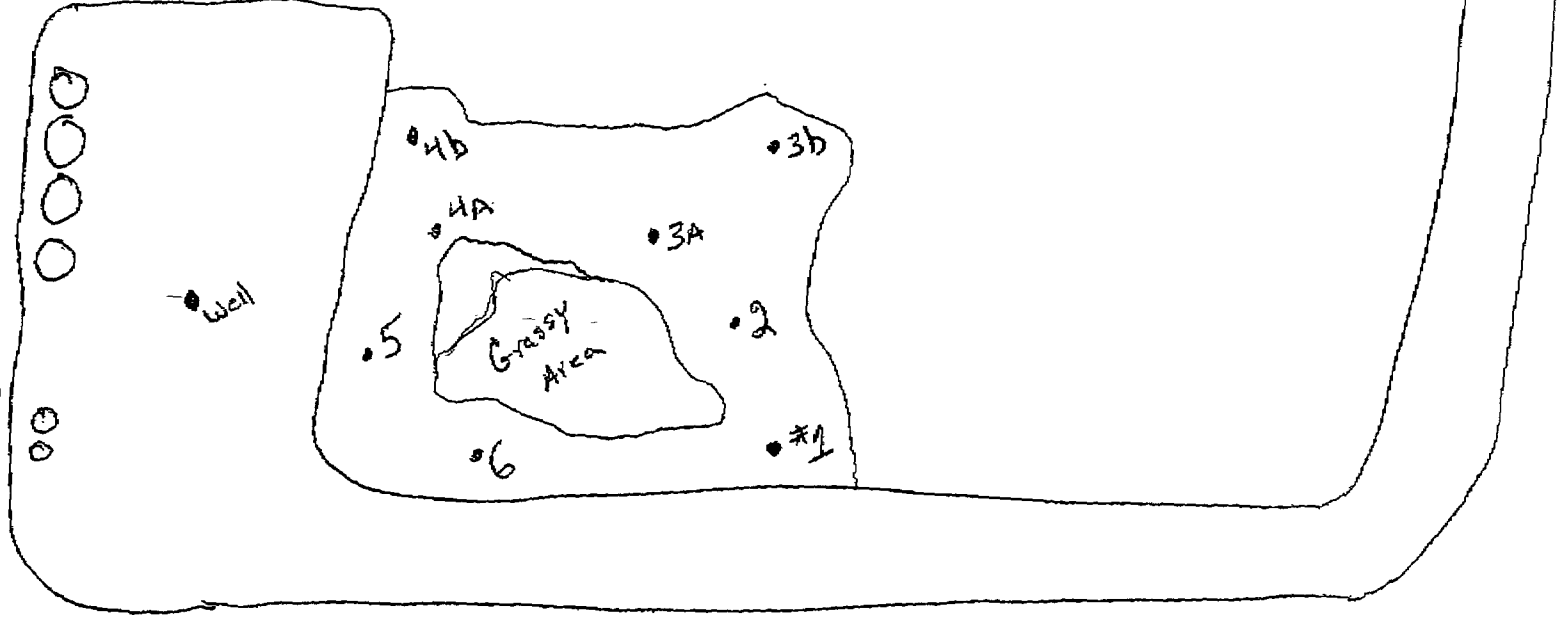
REMARKS:

Diagram of Sampled AreaQuestions - 703-0189Thank you
Mike

N
↑

RECEIVED
MAR 17 2010
HOBBSOCO

Cimarex
Ticonderoga 16 St com #3
Sampling points
#1 thru #6 Grab
#7 composite





ARDINAL LABORATORIES

PHONE (575) 393-2325 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ROADRUNNER ENVIRONMENTAL
ATTN: JOE F.
P.O. BOX 1236
CARLSBAD, NM 88220
FAX TO: (575) 887-2057

Receiving Date: 03/10/10
Reporting Date: 03/12/10
Project Owner: CIMAREX
Project Name: NOT GIVEN
Project Location: TICONDEROGA 16 ST COM #3

Sampling Date: 03/10/10
Sample Type: SOIL
Sample Condition: INTACT @ 14.5°C
Sample Received By: JH
Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₅) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
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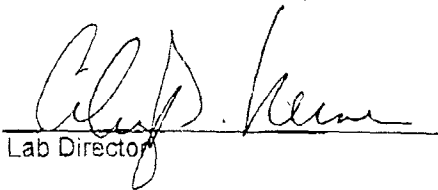
ANALYSIS DATE:	03/11/10	03/11/10	03/10/10	03/10/10	03/10/10	03/10/10	03/11/10
H19413-1** #1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	192
H19413-2 #2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,600
H19413-3 #3-A	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	400
H19413-4** #3-B	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	4,040
H19413-5 #4-A	<10.0	131	<0.050	<0.050	0.054	<0.300	512
H19413-6 #4-B	<10.0	375	<0.050	0.475	0.404	0.851	960
H19413-7 #5	<10.0	295	<0.050	0.071	0.060	<0.300	1,330
H19413-8 #6	<10.0	31.0	<0.050	<0.050	<0.050	<0.300	1,230
H19413-9 #7	<10.0	115	<0.050	0.056	<0.050	<0.300	48
Quality Control	415	470	0.052	0.049	0.045	0.132	500
True Value QC	500	500	0.050	0.050	0.050	0.150	500
% Recovery	83.0	94.0	104	98.0	90.0	88.0	100
Relative Percent Difference	0.1	2.6	8.6	12.7	9.5	10.5	< 0.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M, BTEX - SW-846 8021B; Cl- Std. Methods 4500-Cl-B

*Analyses performed on 1:4 w/v aqueous extracts. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride

**One or more TPH surrogates outside historical limits due to matrix interference.


Lab Director

03/12/10
Date

H19413 TBCL RRE

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Page ____ of ____

Company Name: <u>Roadrunner Env.</u> Project Manager: <u>Joe F</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: <u>Cimarex</u> Project Name: _____ Project Location: <u>Ticoudreaga 16 St Cont #3</u> Sampler Name: <u>Mike Perkins</u>				BILL TO P.O. #: _____ Company: <u>Roadrunner</u> Attn: _____ Address: _____ City: <u>Carlsbad</u> State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST Chlorides <u>Chlorides</u> <u>SO4S</u> <u>B-Test</u>												
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX	PRESERV	SAMPLING												
			(GIRAB OR C)COMP	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER	ACID/BASE ICE / COOL OTHER	DATE TIME												
	H19413-1	#1	G			3/10 10:00												
	-2	#2	G			05												
	-3	#3-A	G			10												
	-4	#3-B	G			15												
	-5	#4-A	G			20												
	-6	#4-B	G			25												
	-7	#5	G			30												
	-8	#6	G			35												
	-9	#7	C			3/10 1040												

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for this analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the analysis. No claims for consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or its licensors shall be covered by the present terms of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above state provisions or otherwise.

Terms and Conditions. Client will be charged for all accounts more than 30 days past due at the rate of 24% per annum from the original date of billing, and all fees of collection, including attorney's fees.

Sampler Relinquished: <u>Mike Feltz</u> Relinquished By: _____ Received By: _____ Temp. Sample Condition 14.5°C ☒ Yes ☐ No		Phone Result: ☐ No Add'l Phone #: _____ Fax Result: ☐ No Add'l Fax #: _____ REMARKS: _____	
Checked By: (Circle One) Sample - UPS - Bus - Other: _____		Checked By: _____ (Initials)	

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 12, 2010

Joe F.
Roadrunner Environmental
P.O. Box 1236
Carlsbad, NM 88220

Re: Ticoderoga 16 State Com #3

Enclosed are the results of analyses for sample number H19413, received by the laboratory on 03/10/10 at 11:35 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.