Summary Report

Justin Hutchins
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2113 French Dr.
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Hobbs, NM, 88240-41

CIMAREX ENERGY Co.

Report Date: April 23, 2007

Work Order: 7042327

Project Location: Nitro 11 Fed #1
Project Name: Nitro 11 Fed #1
Project Number: 30-015-34770

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
122484	E Bottom 35'	soil	2007-04-20	16:07	2007-04-23
122485	W Bottom 35'	soil	2007-04-20	16:21	2007-04-23
122486	C Bottom 35'	soil	2007-04-20	16:30	2007-04-23
122487	Background 1-6 inches	soil	2007-04-20	16:37	2007-04-23
122488	N Wall 30'	soil	2007-04-20	16:45	2007-04-23
122489	S Wall 30'	soil	2007-04-20	16:54	2007-04-23

Sample: 122484 - E Bottom 35'

Param	Flag	Result	Units	RL
Chloride		**599**	mg/Kg	5.00

Sample: 122485 - W Bottom 35'

Param	Flag	Result	Units	RL
Chloride		**280**	mg/Kg	5.00

Sample: 122486 - C Bottom 35'

Param	Flag	Result	Units	RL
Chloride		**509**	mg/Kg	5.00

Sample: 122487 - Background 1-6 inches

continued ...

sample 122487 continued ...

Param	Flag	Result	Units	RL
Chloride	[1]	<100	mg/Kg	5.00

Sample: 122488 - N Wall 30'

Param	Flag	Result	Units	RL
Chloride		**1100**	mg/Kg	5.00

Sample: 122489 - S Wall 30'

Param	Flag	Result	Units	RL
Chloride		**849**	mg/Kg	5.00

[1]dilution due to turbidity of sample •

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

Justin Hutchins
Phoenix Environmental
2113 French Dr.
P.O. Box 1856
Hobbs, NM, 88240-41

Report Date: April 23, 2007

Work Order: 7042327

Cimarex Energy Co.

Project Location: Nitro 11 Fed #1
Project Name: Nitro 11 Fed #1
Project Number: 30-015-34770

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
122484	E Bottom 35'	soil	2007-04-20	16:07	2007-04-23
122485	W Bottom 35'	soil	2007-04-20	16:21	2007-04-23
122486	C Bottom 35'	soil	2007-04-20	16:30	2007-04-23
122487	Background 1-6 inches	soil	2007-04-20	16:37	2007-04-23
122488	N Wall 30'	soil	2007-04-20	16:45	2007-04-23
122489	S Wall 30'	soil	2007-04-20	16:54	2007-04-23

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project 'Nitro 11 Fed #1' were received by TraceAnalysis, Inc. on 2007-04-23 and assigned to work order 7042327. Samples for work order 7042327 were received intact at a temperature of 4 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occuring, however, it may not pertain to the samples for work order 7042327 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are preformed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropreate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 122484 - E Bottom 35'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	Sample Preparation:	2007-04-23	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**599**		mg/Kg	20	5.00

Sample: 122485 - W Bottom 35'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	Sample Preparation:	2007-04-23	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**280**		mg/Kg	10	5.00

Sample: 122486 - C Bottom 35'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	Sample Preparation:	2007-04-23	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**509**		mg/Kg	10	5.00

Sample: 122487 - Background 1-6 inches

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	Sample Preparation:	2007-04-23	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride	[1]	<100		mg/Kg	20	5.00

Sample: 122488 - N Wall 30'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	Sample Preparation:	2007-04-23	Prepared By:	SM

[1] dilution due to turbidity of sample •

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1100**	mg/Kg	20	5.00

Sample: 122489 - S Wall 30'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	Sample Preparation:	2007-04-23	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**849**	mg/Kg	20	5.00

Method Blank (1) QC Batch: 36680

QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	QC Preparation:	2007-04-23	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	QC Preparation:	2007-04-23	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.6	mg/Kg	1	100	<3.25	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.2	mg/Kg	1	100	<3.25	99	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 122489

QC Batch:	36680	Date Analyzed:	2007-04-23	Analyzed By:	SM
Prep Batch:	31813	QC Preparation:	2007-04-23	Prepared By:	JS

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride [2]	928	mg/Kg	20	2000	849.315	4	84.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride [3]	990	mg/Kg	20	2000	849.315	7	84.6 - 117	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 36680 Date Analyzed: 2007-04-23 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-04-23

Standard (CCV-1)

QC Batch: 36680 Date Analyzed: 2007-04-23 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-04-23

[2]Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[3]Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

LAB Order ID # 7042327 Page _____ of _____

TraceAnalysis, Inc.

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Company Name: Phoenix Environmental — Phone #: 505-391-9685
Address: (Street, City, Zip) PO Box 1856 Hobbs, NM 88241 — Fax #: 505-391-9687
Contact Person: Justin Hutchins 505-631-7700 cell — E-mail: jthutchins@leaco.com
Invoice to: (If different from above) Cimarex — Darsey Rogers
Project #: Nitro 11 Fed 1 — Project Name: 30-015-34770
Project Location (including state): Eddy Co, NM — Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
122484	1 - E Bottom 35'	1	4oz		X							X		4/20/07	4:07p
85	2 - W Bottom 35'	1			X							X			4:21p
86	3 - C Bottom 35'	1			X							X			4:30p
87	4 - Background 1-6"	1			X							X			4:37p
88	5 - N Wall 30'	1			X							X			4:45p
89	6 - S Wall 30'	1			X							X			4:54p

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Chlorides	Rush	Turn Around Time if different from standard	Hold
																	X			
																	X			
																	X			
																	X			
																	X			
																	X			

Relinquished by: Justin Hutchins Date: 4/23/07 Time: 10:24a — Received by: Linda Hodge Date: 4-23-07 Time: 10:09 AM
Relinquished by: Linda Hodge Date: 4-23-07 Time: 1:20pm — Received by: Date: Time:
Relinquished by: Date: Time: — Received at Laboratory by: Linda Hinkley Date: 4-23-07 Time: 1:20

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

LAB USE ONLY

Intact (Y) N
Headspace Y / N
Temp 4° C
Log-in-Review JR

REMARKS: Please Email Copy of Results to Mike Bratcher (NMOCD) & Allen Hodge ahodge@leaco.net

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Carrier # Carry Tex