

District I
 625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Avenue, Artesia, NM 88210
 District III
 600 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 Resources
 Oil Conservation Division
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-141
 Revised October 10, 2003

Submit 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	Contact: Marty Davis
Address: 600 N Marienfeld Suite 600, Midland TX 79701	Telephone No. (575) 605-5509
Facility Name: Ticonderoga 16 Sate Com #4	Facility Type: Battery

Surface Owner:	Mineral Owner:	Lease No.:
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LOCATION OF RELEASE

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

Latitude: 32.009640 Longitude: 103.819428

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release 15 bbls	Volume Recovered 5 bbls
Source of Release: Casing leaked	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 9/17/10 8:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoff Leking, NMOCD	
By Whom? Sergio Contreras, SESI	Date and Hour 9/20/10, 8:00 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
 Casing leak; Vacuum truck removed free standing product.

Describe Area Affected and Cleanup Action Taken.*
 Remedial actions at this site have all been performed with the approval of, and in accordance with all NMOCD requirements. Area was delineated and sampled, analytical results were under NMOCD requirements. This is an active tank battery and it is requested that the spill report be closed with no further action required at this time. The operator is aware that at such time the tank battery becomes inactive further action may be required.

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>Marty Davis</i>	OIL CONSERVATION DIVISION	
Printed Name: Marty Davis	Approved by District Supervisor:	
Title: Field Foreman	Approval Date:	Expiration Date:
E-mail Address: mdavis@cimarex.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-28-11 Phone: (575) 605-5509		

Attach Additional Sheets If Necessary

112114

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 Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

Form C-141
Revised October 10, 2003

SEP 23 2010
Submit 2 Copies to appropriate District Office in accordance with Rule 11.6 on back side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: Cimarex Energy	Contact: Marty Davis
Address: 600 N Marienfeld Suite 600, Midland TX 79701	Telephone No. (575) 605-5509
Facility Name: Ticonderoga 16 Sate Com #4	Facility Type: Battery
Surface Owner:	Mineral Owner:
	Lease No.:

LOCATION OF RELEASE

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

Latitude: 32.009640 Longitude: 103.819428

NATURE OF RELEASE

API# 30-005-29062-00-00

Type of Release: Crude Oil	Volume of Release 15 bbls	Volume Recovered 5 bbls
Source of Release: Casing leaked	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 9/17/10 8:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoff Leking, NMOCD	
By Whom? Sergio Contreras, SESI	Date and Hour 9/20/10, 8:00 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER @ 260'

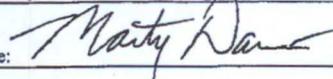
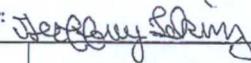
Describe Cause of Problem and Remedial Action Taken.*

Casing leak; Vacuum truck removed free standing product.

Describe Area Affected and Cleanup Action Taken.*

SESI was contacted for assessment. Area will be delineated and an appropriate work plan will be submitted to NMOCD.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Marty Davis	Approved by District Supervisor: 	
Title: Field Foreman	Approval Date: 09/23/10	Expiration Date: 11/23/10
E-mail Address: mdavis@cimarex.com	Conditions of Approval: SUBMIT FINAL C-141 BY 11/23/10.	Attached <input type="checkbox"/>
Date: 9-20-10 Phone: (575) 605-5509		IRP-10-9-2615

* Attach Additional Sheets If Necessary

**Cimarex Energy Company
Ticonderoga 16 State Com #4
Section 16, Township 15S, Range 31E
Chaves County, New Mexico**

Closure Report

January 28, 2011



RECEIVED

FEB 22 2011
HOBSOCD

Prepared for:

***Cimarex Energy Company
600 North Marienfeld, Suite 600
Midland, Texas 79701***

By:

***Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, New Mexico 88240
(575) 397-0510***

I. Company Contacts

Company Representative	Company	Telephone	E-mail
Marty Davis	Cimarex Energy Co.	575-605-5509	mdavis@cimarex.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by Cimarex Energy Company to perform a site assessment at the Ticonderoga 16 State Com #4, located in Section 16, Township 15 South, and Range 31 East. The blowout preventer on the pulling unit went out causing the casing to leak and releasing approximately 15 barrels of hydrocarbon fluid and recovered approximately 5 barrels. There was also an area affected with overspray.

III. Surface and Ground Water

According to the database provided by the New Mexico Office of State Engineer's online database, the average depth of water in this area is 280 feet since March 1955 and is located 1.6 miles north of the Ticonderoga 16 State Com #4. (See Figure 1)

IV. Soils

The surface soils in the area are predominantly sand.

V. Characterization

The target cleanup levels are reached by the application of the "Unlined Surface Impoundment Closure Guidelines New Mexico Oil Conservation Division (NMOCD) – February, 1993 to this site is 5000 parts per million (ppm) Total Petroleum Hydrocarbons (TPH). Application of the New Mexico Oil Conservation Division's ranking criteria for contaminated soils at this site is presented below:

Depth to Ground Water:			
(Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	20 points	
	50 feet to 99 feet	10 points	X
	>100 feet	0 points	
Wellhead Protection Area:			
(Less than 200 feet from a private domestic water source; or less than 1000 feet from all other water sources)	Yes	20 points	
	No	0 points	X
Distance to Surface Water:			
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	20 points	
	200 feet to 1000 feet	10 points	
	>1000 feet	0 points	X
RANKING SCORE (TOTAL POINTS)		0	

VI. Work Performed

On October 1, 2010 SESI was onsite to install auger holes to delineate release area. Auger hole #1 and #4 are located on location pad and a surface sample was obtained but had auger refusal at a depth of six (6) inches below grade surface (bgs). AH #2 and AH #3 were located in pasture area and northeast of location and samples were obtained at surface and one (1) foot below grade surface.

Samples were properly preserved and transported under chain of custody to Cardinal Laboratory of Hobbs, New Mexico. The samples were analyzed for Chlorides (Cl⁻) (EPA Method 4500-Cl⁻B), Benzene, Toluene, Ethyl Benzene, Total Xylenes (BTEX) (EPA Method 8021) and Total Petroleum Hydrocarbons (TPH) (EPA Method 418.1).

The results of the analysis are as follows:

Lab ID	Sample ID	Chlorides (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
Analysis Date:		10/01/10	10/01/10	10/01/10	10/01/10	10/01/10	10/01/10
H020969-01	AH #1 Surface	896	5920	<0.025	0.036	0.048	0.181
H020969-02	AH #2 Surface	80.0	4790	<0.025	0.355	0.500	2.94
H020969-03	AH #2 1'bgs	112	<100	<0.025	0.065	0.047	0.158
H020969-04	AH #3 Surface	80.0	<100	<0.025	0.032	0.029	0.103
H020969-05	AH #3 1'bgs	128	<100	<0.025	0.026	<0.025	<0.075
H020969-06	AH #4 1'bgs	160	6550	<0.025	0.051	0.370	0.863

On January 20, 2011 Safety and Environmental Solutions, Inc. was onsite with Gandy's Corp. for the installation of two (2) test trenches on the location pad to determine vertical extent. In the installation of well pad a layer of hard caliche was encountered at a depth of one foot below grade surface and was impenetrable. Samples were retrieved at the one (1) foot depth and properly preserved and transported under chain of custody to Cardinal Laboratory of Hobbs, New Mexico. The samples were analyzed for Chlorides (EPA Method 4500-Cl⁻B), Benzene, Toluene, Ethyl Benzene, Total Xylenes (BTEX EPA Method 8021) and Total Petroleum Hydrocarbons (TPH EPA Method 418.1).

The results of the analysis are as follows:

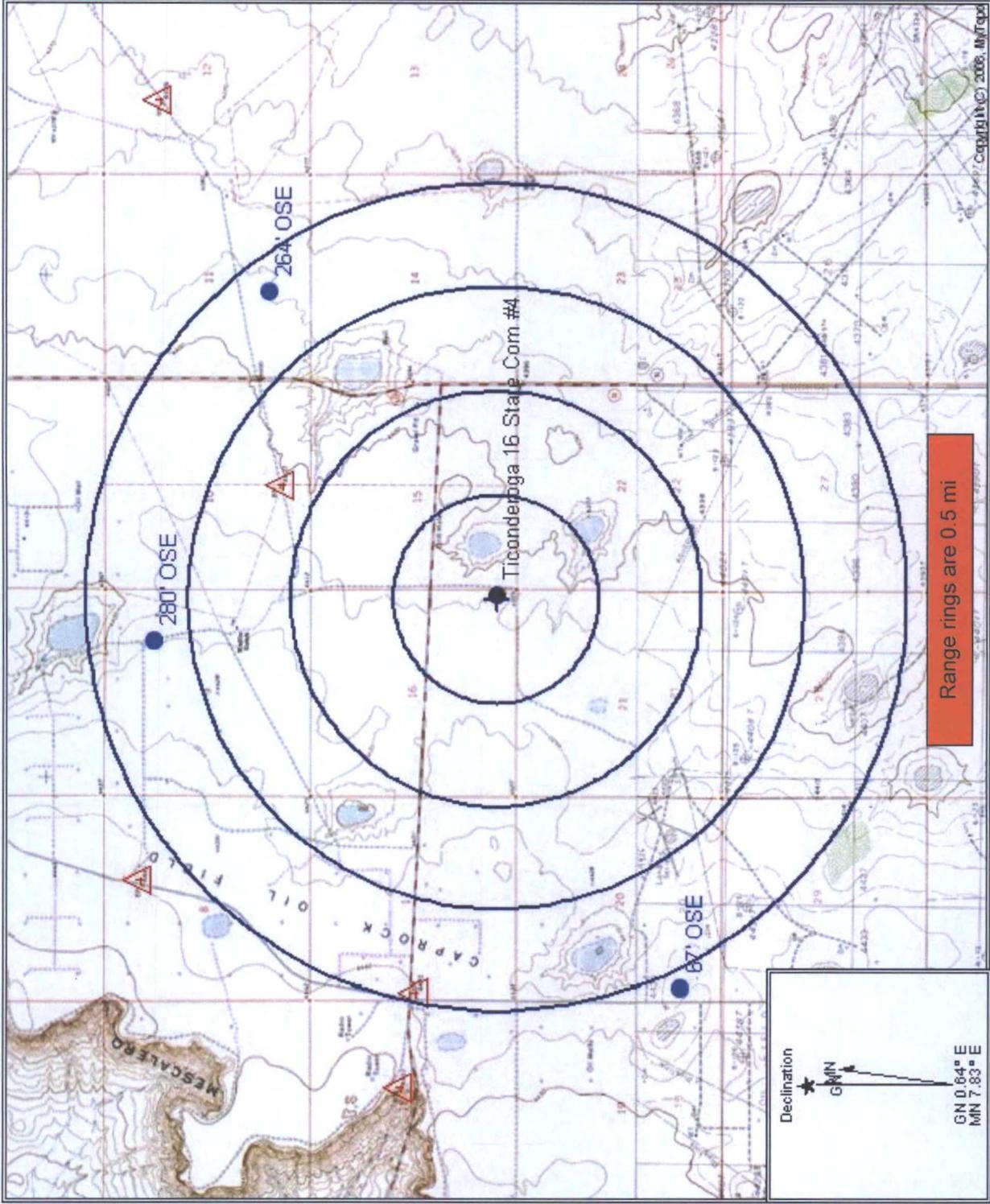
Lab ID	Sample ID	Chlorides (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
Analysis Date:		01/20/11	01/20/11	01/20/11	01/20/11	01/20/11	01/20/11
H100148-01	TT #1 1'bgs	1,460	159	<0.050	<0.050	<0.050	<0.150
H100148-02	TT #2 1'bgs	1,040	2,830	<0.050	<0.050	<0.050	<0.150

VII. Conclusion

Remedial actions at this site have all been performed with the approval of, and in accordance with all NMOCD requirements. This is an active tank battery and it is requested that the spill report be closed with no further action required at this time. The operator is aware that at such time the tank battery becomes inactive further action may be required.

VIII. Figures and Appendices

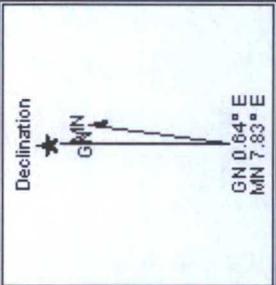
- Figure 1 – Vicinity Map
- Figure 2 – Site Map
- Appendix A – Analytical Results
- Appendix B – Site Photographs
- Appendix C – C-141



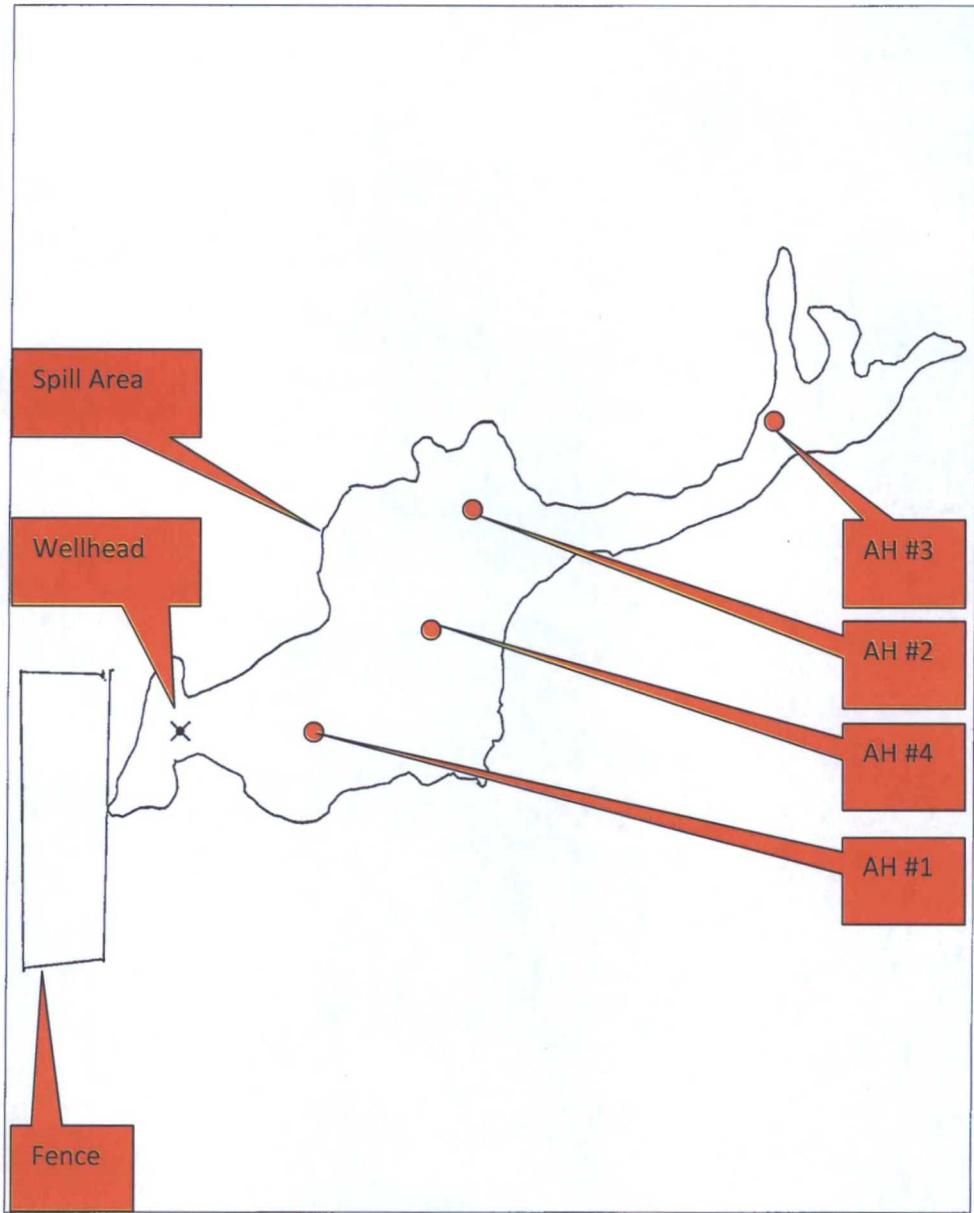
Map Name: MALJAMAR NE
 Scale: 1 inch = 4,000 ft.

Map Center: 033.0099552° N 103.8192454° W
 Horizontal Datum: WGS84

Range rings are 0.5 mi

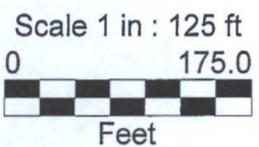


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CIM-10-015 Ticonderoga 16 State Com
#4

Lat/Long
WGS 1984



sitemap.cor
9/21/2010
GPS Pathfinder® Office
 Trimble™

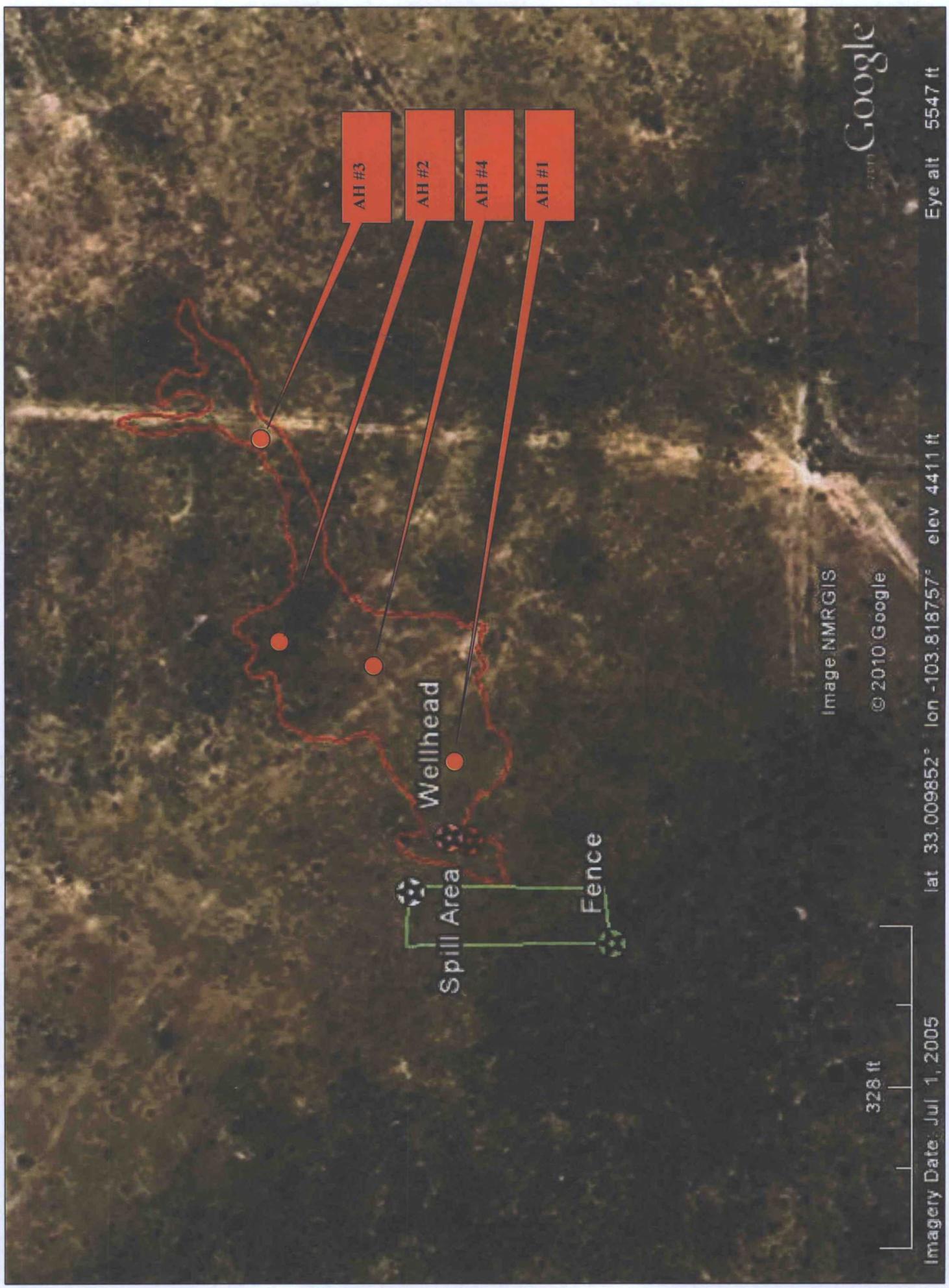


Image: NMR GIS

© 2010 Google

Google

328 ft

Imagery Date: Jul 1, 2005

lat 33.009852° lon -103.818757° elev 4411 ft

Eye alt 5547 ft



October 06, 2010

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: CIM-10-015

Enclosed are the results of analyses for samples received by the laboratory on 10/01/10 14:23.

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 524.4	Regulated VOCs (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:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 10/01/2010
 Reported: 10/06/2010
 Project Name: CIM-10-015
 Project Number: TICONDEROGA 16 ST. COM #4
 Project Location: LEA, NM

Sampling Date: 10/01/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: AH #1 SURFACE (H020969-01)

BTEX 8021B		mg/kg		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/04/2010	ND	2.08	104	2.00			
Toluene*	0.036	0.025	10/04/2010	ND	2.08	104	2.00			
Ethylbenzene*	0.048	0.025	10/04/2010	ND	2.15	108	2.00			
Total Xylenes*	0.181	0.075	10/04/2010	ND	6.26	104	6.00			

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 80-120

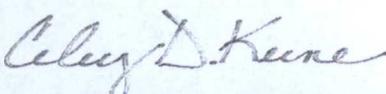
Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	10/04/2010	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	5920	100	10/05/2010	ND	970	95.1	1020	9.51		

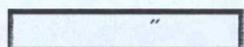
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	10/01/2010	Sampling Date:	10/01/2010
Reported:	10/06/2010	Sampling Type:	Soil
Project Name:	CIM-10-015	Sampling Condition:	Cool & Intact
Project Number:	TICONDEROGA 16 ST. COM #4	Sample Received By:	Jodi Henson
Project Location:	LEA, NM		

Sample ID: AH #2 SURFACE (H020969-02)

BTEX 8021B		mg/kg		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/04/2010	ND	2.08	104	2.00			
Toluene*	0.344	0.025	10/04/2010	ND	2.08	104	2.00			
Ethylbenzene*	0.500	0.025	10/04/2010	ND	2.15	108	2.00			
Total Xylenes*	2.94	0.075	10/04/2010	ND	6.26	104	6.00			

Surrogate: 4-Bromofluorobenzene (PII) 97.6% 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/04/2010	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	4790	100	10/05/2010	ND	970	95.1	1020	9.51		

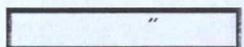
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	10/01/2010	Sampling Date:	10/01/2010
Reported:	10/06/2010	Sampling Type:	Soil
Project Name:	CIM-10-015	Sampling Condition:	Cool & Intact
Project Number:	TICONDEROGA 16 ST. COM #4	Sample Received By:	Jodi Henson
Project Location:	LEA, NM		

Sample ID: AH #3 SURFACE (H020969-04)

BTEX 8021B		mg/kg		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/04/2010	ND	2.08	104	2.00			
Toluene*	0.032	0.025	10/04/2010	ND	2.08	104	2.00			
Ethylbenzene*	0.029	0.025	10/04/2010	ND	2.15	108	2.00			
Total Xylenes*	0.103	0.075	10/04/2010	ND	6.26	104	6.00			

Surrogate: 4-Bromofluorobenzene (PII) 106% 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/04/2010	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	<100	100	10/05/2010	ND	970	95.1	1020	9.51		

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Celey D. Keene, Lab Director/Quality Manager

“

Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	10/01/2010	Sampling Date:	10/01/2010
Reported:	10/06/2010	Sampling Type:	Soil
Project Name:	CIM-10-015	Sampling Condition:	Cool & Intact
Project Number:	TICONDEROGA 16 ST. COM #4	Sample Received By:	Jodi Henson
Project Location:	LEA, NM		

Sample ID: AH #3 1' BGS (H020969-05)

BTX 8021B		mg/kg		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/04/2010	ND	2.08	104	2.00			
Toluene*	0.026	0.025	10/04/2010	ND	2.08	104	2.00			
Ethylbenzene*	<0.025	0.025	10/04/2010	ND	2.15	108	2.00			
Total Xylenes*	<0.075	0.075	10/04/2010	ND	6.26	104	6.00			

Surrogate: 4-Bromofluorobenzene (PII) 97.9% 80-120

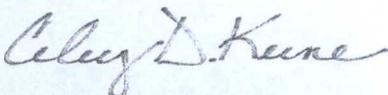
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/04/2010	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	<100	100	10/05/2010	ND	970	95.1	1020	9.51		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 10/01/2010
 Reported: 10/06/2010
 Project Name: CIM-10-015
 Project Number: TICONDEROGA 16 ST. COM #4
 Project Location: LEA, NM

Sampling Date: 10/01/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: AH #4 SURFACE (H020969-06)

BTEX 8021B		mg/kg		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/04/2010	ND	2.08	104	2.00			
Toluene*	0.051	0.025	10/04/2010	ND	2.08	104	2.00			
Ethylbenzene*	0.370	0.025	10/04/2010	ND	2.15	108	2.00			
Total Xylenes*	0.863	0.075	10/04/2010	ND	6.26	104	6.00			

Surrogate: 4-Bromofluorobenzene (PII) 103 % 80-120

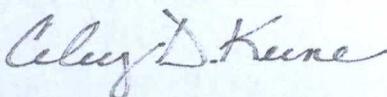
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/04/2010	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	6550	100	10/05/2010	ND	970	95.1	1020	9.51		

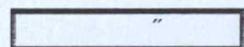
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	10/01/2010	Sampling Date:	10/01/2010
Reported:	10/06/2010	Sampling Type:	Soil
Project Name:	CIM-10-015	Sampling Condition:	Cool & Intact
Project Number:	TICONDEROGA 16 ST. COM #4	Sample Received By:	Jodi Henson
Project Location:	LEA, NM		

Sample ID: AH #2 1' BGS (H020969-03)

BTEX 8021B		mg/kg		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/04/2010	ND	2.08	104	2.00			
Toluene*	0.065	0.025	10/04/2010	ND	2.08	104	2.00			
Ethylbenzene*	0.047	0.025	10/04/2010	ND	2.15	108	2.00			
Total Xylenes*	0.158	0.075	10/04/2010	ND	6.26	104	6.00			

Surrogate: 4-Bromofluorobenzene (PII) 98.1 % 80-120

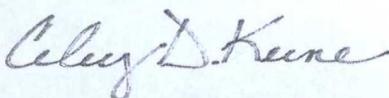
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/04/2010	ND	416	104	400	3.77		

TPH 418.1		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TPH 418.1	<100	100	10/05/2010	ND	970	95.1	1020	9.51		

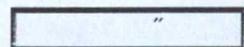
Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



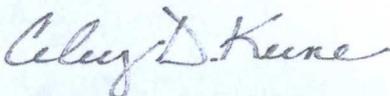
Notes and Definitions

- 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

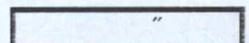
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Celey D. Keene, Lab Director/Quality Manager

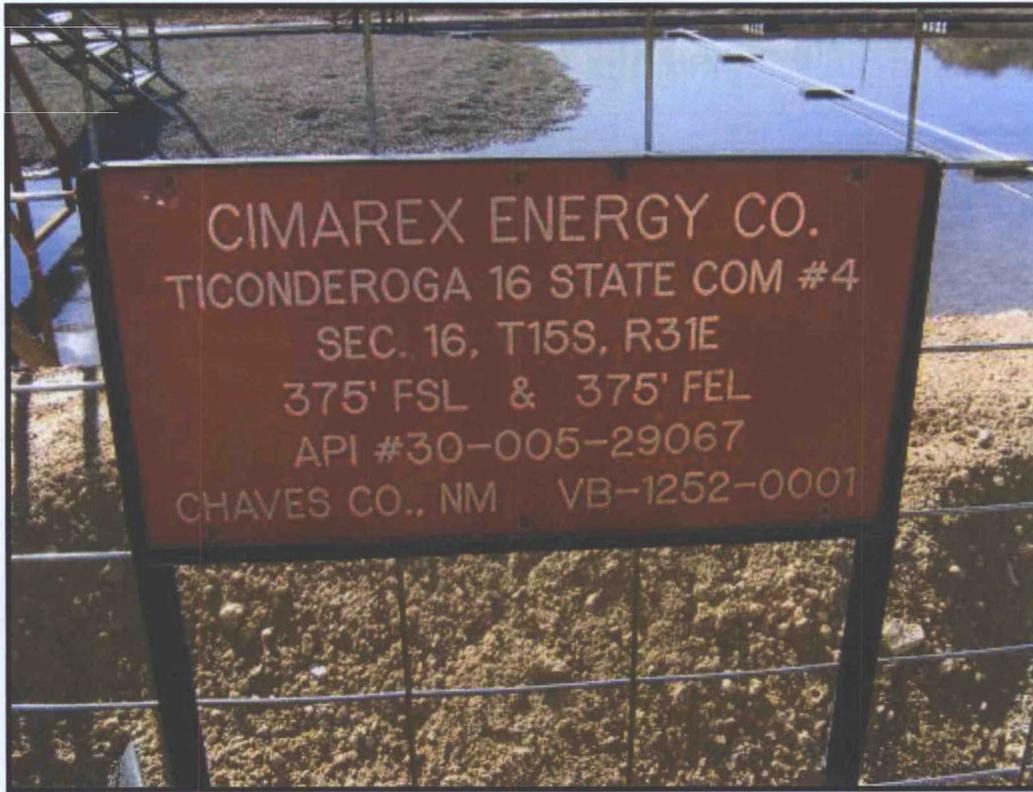


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 Fax (505) 393-2475

Page _____ of _____

BILL TO		ANALYSIS REQUEST																			
Company Name: Safety & Environmental Solutions, Inc.		P.O. #:		Company: Same																	
Project Manager: Bob Allen		Address: 703 East Clinton		Attn:																	
City: Hobbs		State: NM		Zip: 88240																	
Phone #: 575-397-0510		Fax #: 575-393-4388		Address:																	
Project #: Cim-lars		Project Owner: Cinarez		City:																	
Project Name: Tronadgera 16 St. Cam #4		State: _____		Zip: _____																	
Project Location: Leoyam		Phone #: _____		Fax #: _____																	
Sampler Name: Bob Allen																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.																				
1	SP AH #1 Surface	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	PRESERV.	SAMPLING	DATE	TIME					
2	AH #2 Surface	6	1	1	1	1	1	1	1	1	1	1	1	1	10/10/09	0935					
3	AH #2 1' bgs	1	1	1	1	1	1	1	1	1	1	1	1	1	0955						
4	AH #3 Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	10/10						
5	AH #3 1' bgs	1	1	1	1	1	1	1	1	1	1	1	1	1	1015						
6	AH #4 Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1025						



Lease sign



East of lease road



East of lease road facing NE



Lease road facing north



East end of location facing north



Location facing northeast



Location facing north



Location facing northwest



Location facing southwest



Center of location facing northeast



Middle of location facing north



Middle of location facing northwest



North of lease road



North of lease road facing east



North of location facing east



North of location facing west



Puddle north of location



Lease road on south side of location



South of lease rd facing east



South of location facing west



Stained vegetation northeast of location



Staining on vegetation



Staining on vegetation east of lease road



West of lease road running north and south

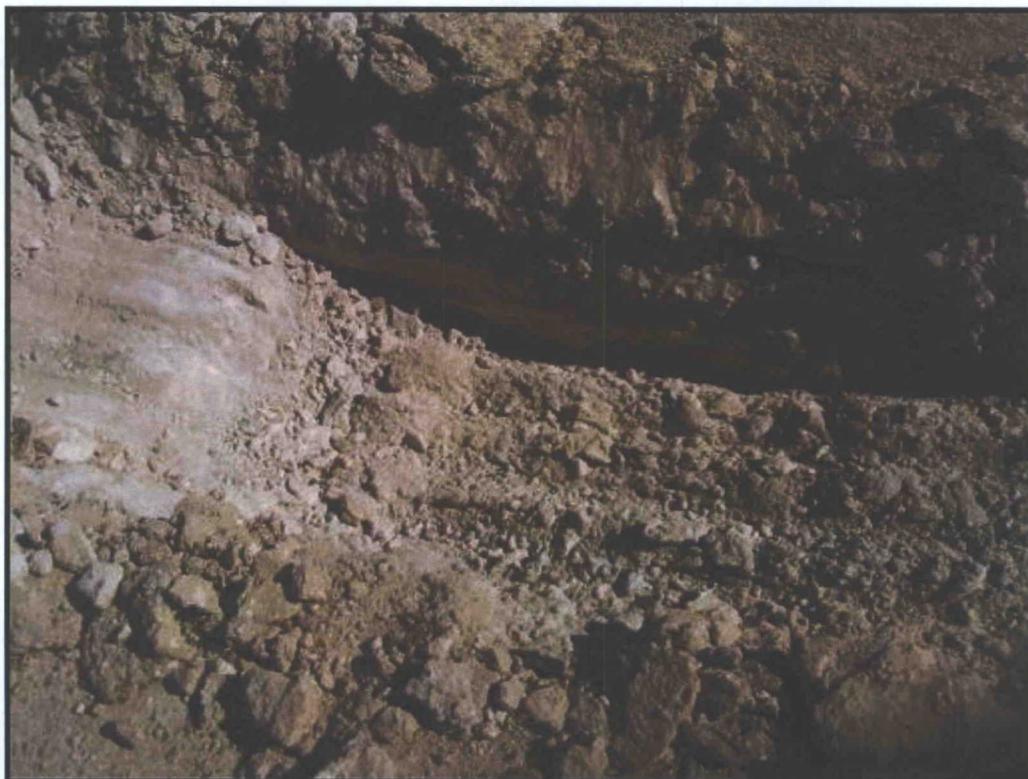
Cimarex Ticondaroga Site Photos 1-20-11



Tank battery



Test trench #1



Test trench #1 1'bgs



Test trench #2 facing southwest



Test trench #2 1' bgs



Test trench #2 backfilled facing northeast



Test trench #1 backfilled facing east



Test trench #1 backfilled facing east