

RECEIVED

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

OCT 05 2010

Form C-141  
Revised October 10, 2003

HOBBSDC 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: Pipeline Deep Federal Com #1	Facility Type:

Surface Owner:	Mineral Owner:	Lease No.:
----------------	----------------	------------

LOCATION OF RELEASE API # 30.025.02381.00.00

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	7	19S	34E		1980N	1980E		Lea

Latitude: Longitude:

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release 122 bbls	Volume Recovered: 0 bbls
Source of Release: Internal Corrosion	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 9/1/10 10:50 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jim McCormick; Trisha Badbear, BLM	
By Whom? Sergio Contreras, SESI	Date and Hour 9/2/10, 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 @ 275'

Describe Cause of Problem and Remedial Action Taken.\*  
Internal corrosion caused a hole in the bottom of the tank. Vac truck onsite to recover standing fluid within the tank.  
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.

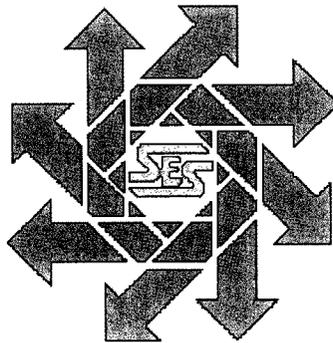
Signature: <i>Marty Davis</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Marty Davis	ENV NUMBER: Approved by District Supervisor: <i>Sergio Contreras</i>	
Title: Field Foreman	Approval Date: 10/05/10	Expiration Date: 12/05/10
E-mail Address: mdavis@cimarex.com	Conditions of Approval: SUBMIT FINAL C-141 BY 12/05/10.	Attached <input type="checkbox"/> IRP-02-11-2682
Date: 9-29-10	Phone: (575) 605-5509	

\* Attach Additional Sheets If Necessary

**Cimarex Energy Company  
Pipeline Deep Federal Com #1  
Section 7, Township 19S, Range 34E  
Lea County, New Mexico**

**Closure Report**

**December 22, 2010**



**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**

② Company was permitted to perform 12' trench on 01/20/11. Observed no contamination, lab sample in.

① Perform 40' Boring sample every 5' or where stain, odor or PID warrant sampling  
Jeffrey Deering  
Cwr: Cwr  
NMOCID-Tables  
01/07/11

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**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 Pipeline Deep Federal Com #1. This location is the site of an active well and battery. The location is located in Section 7, Township 19 South, and Range 34 East. Internal corrosion in the bottom of the tank released approximately 122 barrels of crude oil with no recovery.

**III. Surface and Ground Water**

According to the database provided by the USGS the closest groundwater of record is in Section 26, Section 19S, Range 33E. The depth of water in this well was 85' in January 1996.

**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 1000 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:

<b>Depth to Ground Water:</b>			
(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	
<b>Wellhead Protection Area:</b>			
(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
<b>Distance to Surface Water:</b>			
(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
<b>RANKING SCORE (TOTAL POINTS)</b>			<b>10</b>

## VI. Work Performed

On December 15, 2010, SESI was onsite with Hungry Horse, LLC. to install five (5) test trenches (TT) in the southwest corner of location pad. Grab samples were retrieved at depths ranging from one (1) foot below grade surface (bgs), to five (5) feet bgs. Comparative samples were transported under Chain of Custody to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides (EPA Method 4500B) Total Petroleum Hydrocarbons (TPH EPA Method 418.1) and Benzene, Toluene, Ethyl Benzene, and Total Xylenes (BTEX EPA Method 8021B).

The results are as followed:

Sample ID	Chlorides (mg/kg)	TPH 418.1 (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
TT #1 1'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #1 3'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #2 1'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #2 3'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #3 1'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #3 3'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #4 1'bgs	<16.0	406	<0.050	<0.050	<0.050	<0.150
TT #4 3'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #4 5'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #5 1'bgs	<16.0	<100	<0.050	<0.050	<0.050	<0.150
TT #5 3'bgs	<16.0	<100	<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.

As a result, we respectfully submit this closure report for your consideration and approval.

## VIII. Figures and Appendices

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

**Figure 1  
Vicinity Map**

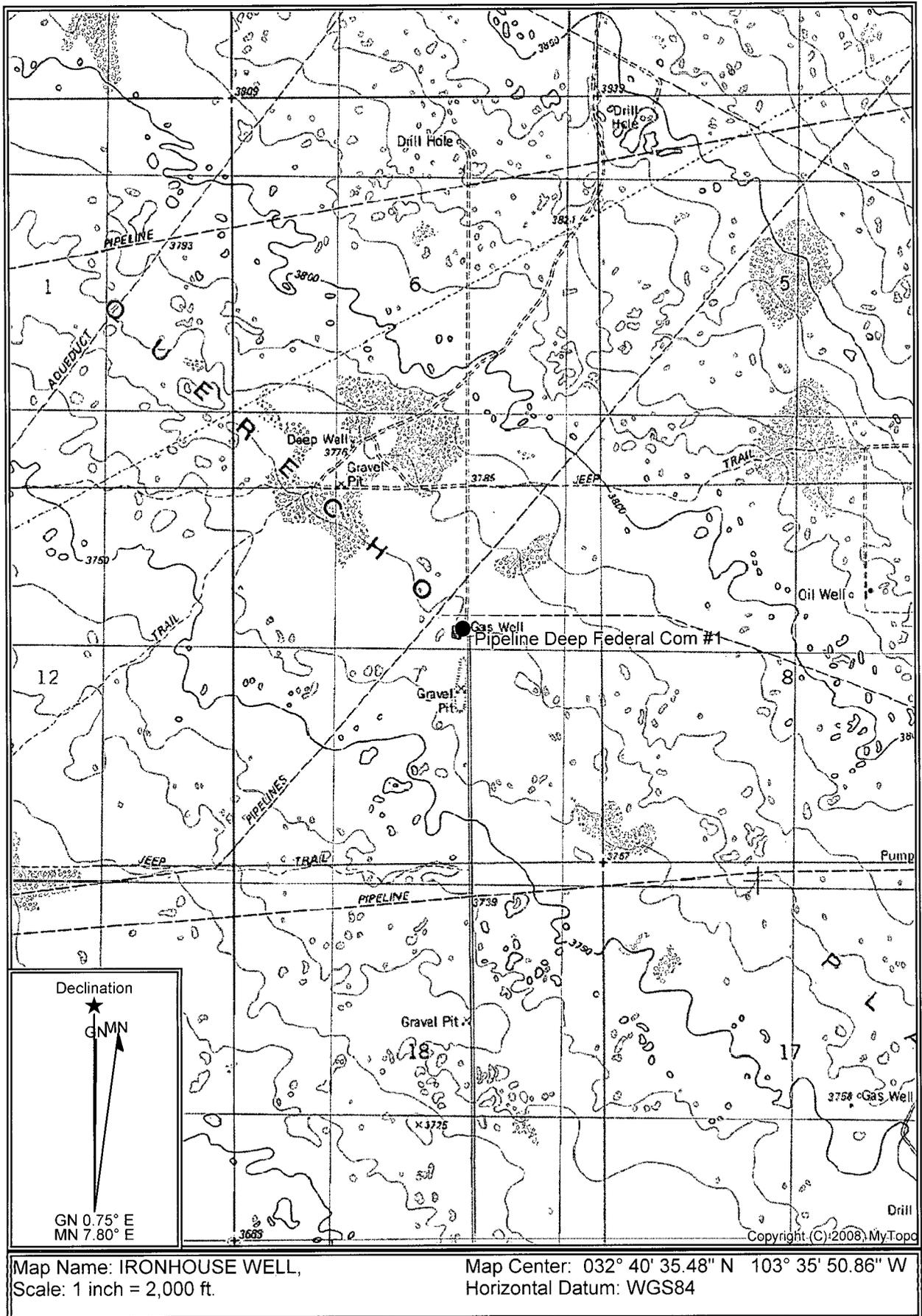
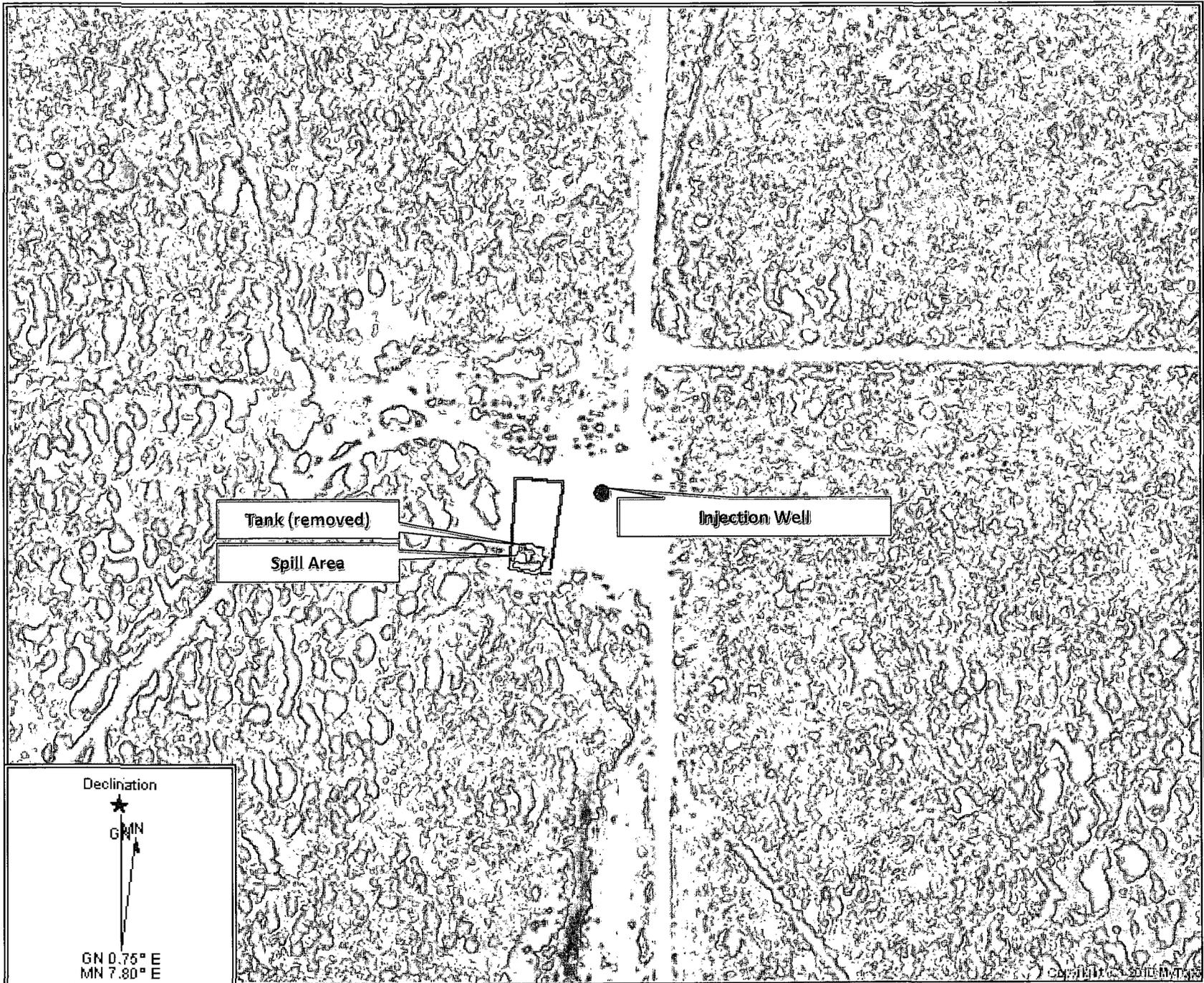


Figure 1 Vicinity Map: Pipeline Deep Federal Com #1

**Figure 2**  
**Site Map**



Declination  
★  
GN  
GN 0.75° E  
MN 7.80° E

Map Name: SW IRONHOUSE Scale: 1 inch = 250 ft. Map Center: 032° 40' 35.48" N Horizontal Datum: WGS84

**Appendix A**  
**Analytical Results**



December 22, 2010

Bob Allen  
Safety & Environmental Solutions  
703 East Clinton  
Hobbs, NM 88240

RE: CIM-10-016

Enclosed are the results of analyses for samples received by the laboratory on 12/15/10 16:15.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

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:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #1 1'BGS (H021537-01)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59		
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00		
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00		
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97		

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/16/2010	ND	432	108	400	3.64		

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	12/22/2010	ND	1200	120	1000	1.65		

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:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #1 3'BGS (H021537-02)**

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59	
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00	
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00	
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97	

Surrogate: 4-Bromofluorobenzene (PII) 111 % 70-130

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	3.64	

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	12/22/2010	ND	1200	120	1000	1.65	

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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:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #2 1'BGS (H021537-03)**

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59	
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00	
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00	
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97	

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 70-130

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	3.64	

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	12/22/2010	ND	1200	120	1000	1.65	

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

Received:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #2 3'BGS (H021537-04)**

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59	
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00	
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00	
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97	

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	3.64	

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	12/22/2010	ND	1200	120	1000	1.65	

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Received:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #3 1'BGS (H021537-05)**

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59	
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00	
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00	
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97	

*Surrogate: 4-Bromofluorobenzene (PIL) 104 % 70-130*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	3.64	

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	12/22/2010	ND	1200	120	1000	1.65	

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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:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

### Sample ID: TT #3 3'BGS (H021537-06)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59		
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00		
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00		
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97		

Surrogate: 4-Bromofluorobenzene (PII) 112 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	3.64		

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	12/22/2010	ND	1200	120	1000	1.65		

Cardinal Laboratories

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Received:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #4 1'BGS (H021537-07)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59		
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00		
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00		
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97		

Surrogate: 4-Bromofluorobenzene (PII) 116 % 70-130

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	0.00		

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	406	100	12/22/2010	ND	1200	120	1000	1.65		

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\*=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:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #4 3'BGS (H021537-08)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59		
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00		
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00		
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97		

*Surrogate: 4-Bromofluorobenzene (PIL) 103 % 70-130*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	0.00		

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	12/22/2010	ND	1200	120	1000	1.65		

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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:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #4 5'BGS (H021537-09)**

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59	
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00	
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00	
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97	

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	0.00	

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	12/22/2010	ND	1200	120	1000	1.65	

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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:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

### Sample ID: TT #5 1'BGS (H021537-10)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59	
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00	
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00	
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97	

Surrogate: 4-Bromofluorobenzene (PIL) 107% 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	0.00	

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	12/22/2010	ND	1200	120	1000	1.65	

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\*=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:	12/15/2010	Sampling Date:	12/15/2010
Reported:	12/22/2010	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FED COM #1	Sample Received By:	Aaron Berry
Project Location:	LEA, NM		

**Sample ID: TT #5 3'BGS (H021537-11)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2010	ND	2.02	101	2.00	8.59		
Toluene*	<0.050	0.050	12/18/2010	ND	2.12	106	2.00	9.00		
Ethylbenzene*	<0.050	0.050	12/18/2010	ND	2.19	110	2.00	9.00		
Total Xylenes*	<0.150	0.150	12/18/2010	ND	6.45	107	6.00	8.97		

Surrogate: 4-Bromofluorobenzene (PIL) 107% 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/17/2010	ND	432	108	400	0.00		

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	12/22/2010	ND	1200	120	1000	1.65		

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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**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

Company Name: <i>SESE</i>		<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																		
Project Manager: <i>Bob Allen</i>		P.O. #:																						
Address: <i>703 E Clinton</i>		Company:																						
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88040</i>		Attn:																						
Phone #: <i>575-392-0510</i> Fax #:		Address:																						
Project #: <i>Com-10-016</i> Project Owner: <i>Comerco</i>		City:																						
Project Name: <i>Pipeline Dept Federal Com #1</i>		State: Zip:																						
Project Location: <i>Lea, NM</i>		Phone #:																						
Sampler Name: <i>Isaac Kincaid</i>		Fax #:																						
FOR LAB USE ONLY		# GRAB OR (COMP. CONTAINERS)	MATRIX				PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME												
<i>421539-11</i>	<i>77# 5 31655</i>	<i>6</i>		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<i>12/15/10</i>		<i>chladides</i>	<i>TPM 418.1</i>	<i>BTDK</i>										

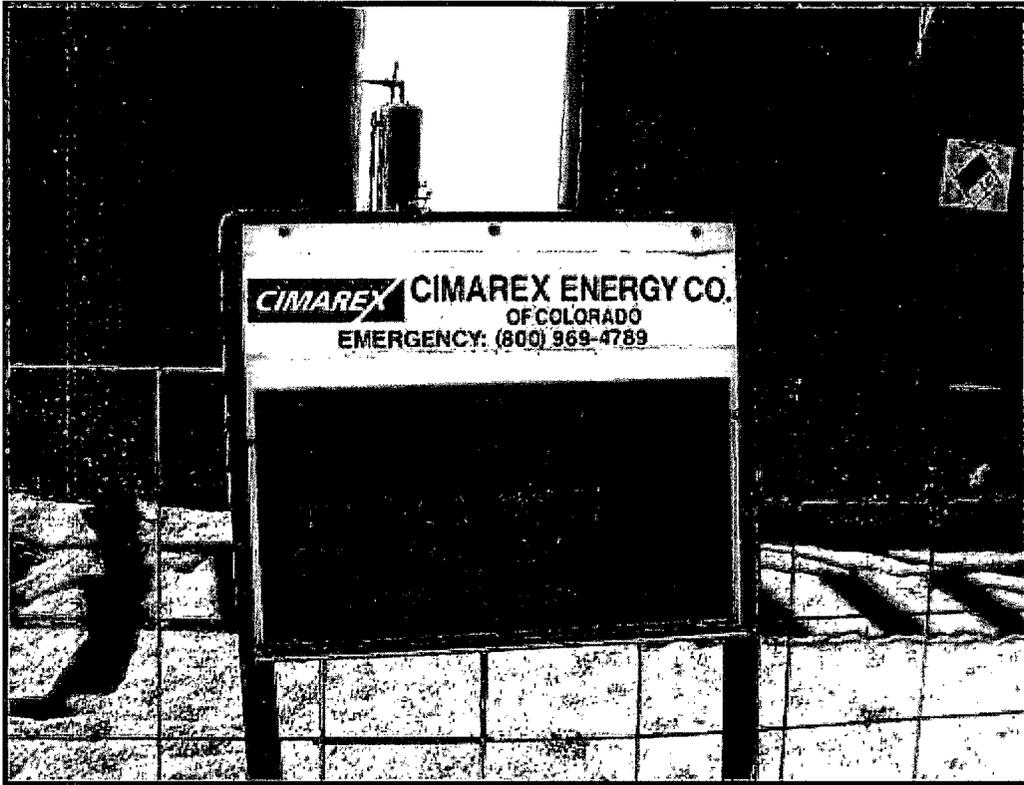
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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.

Relinquished By:	Date: <i>12/15/10</i> Time:	Received By: <i>CBJ</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: <i>12/15</i> Time:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>#26 4.5°C</i>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>CB</i>	
REMARKS:				

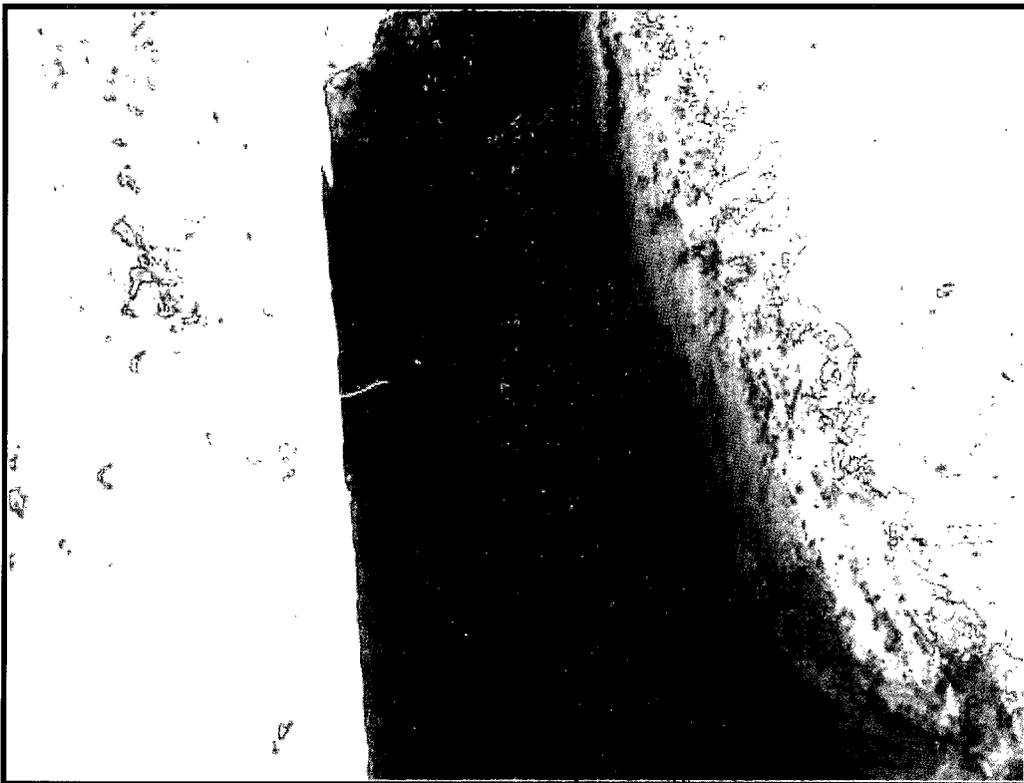
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

**Appendix B**  
**Site Photographs**

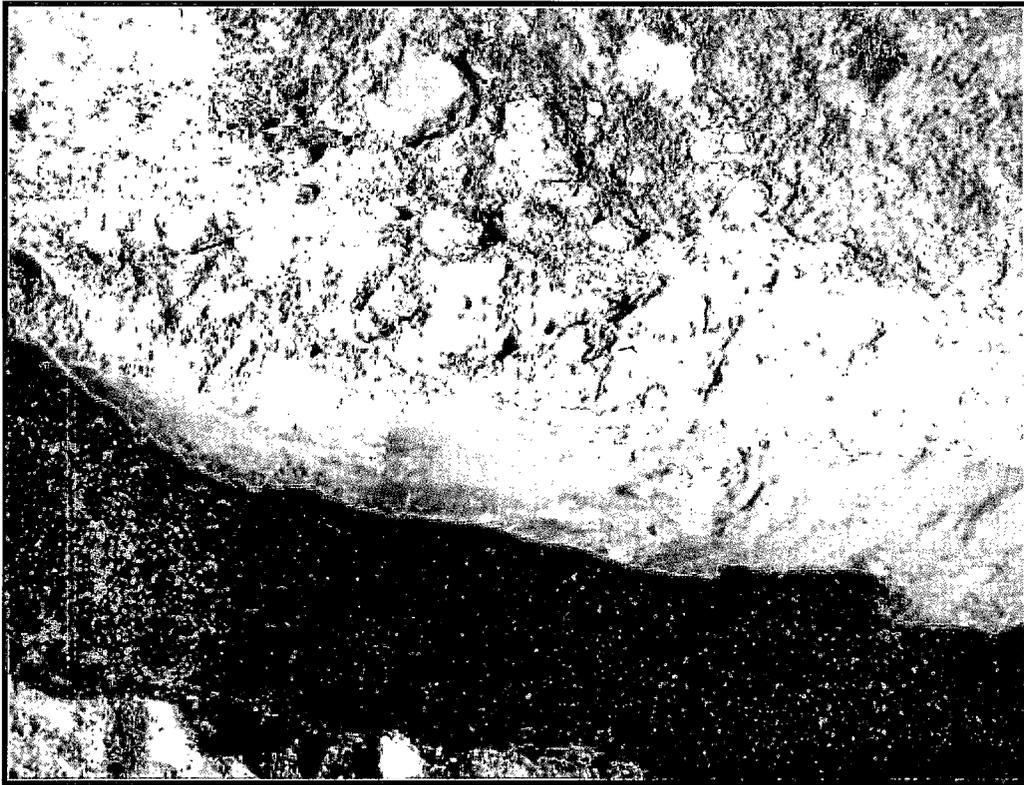
Cimarex Pipeline Deep Federal Com Site photo 12-13-10



Well Sign



Test Trench #1



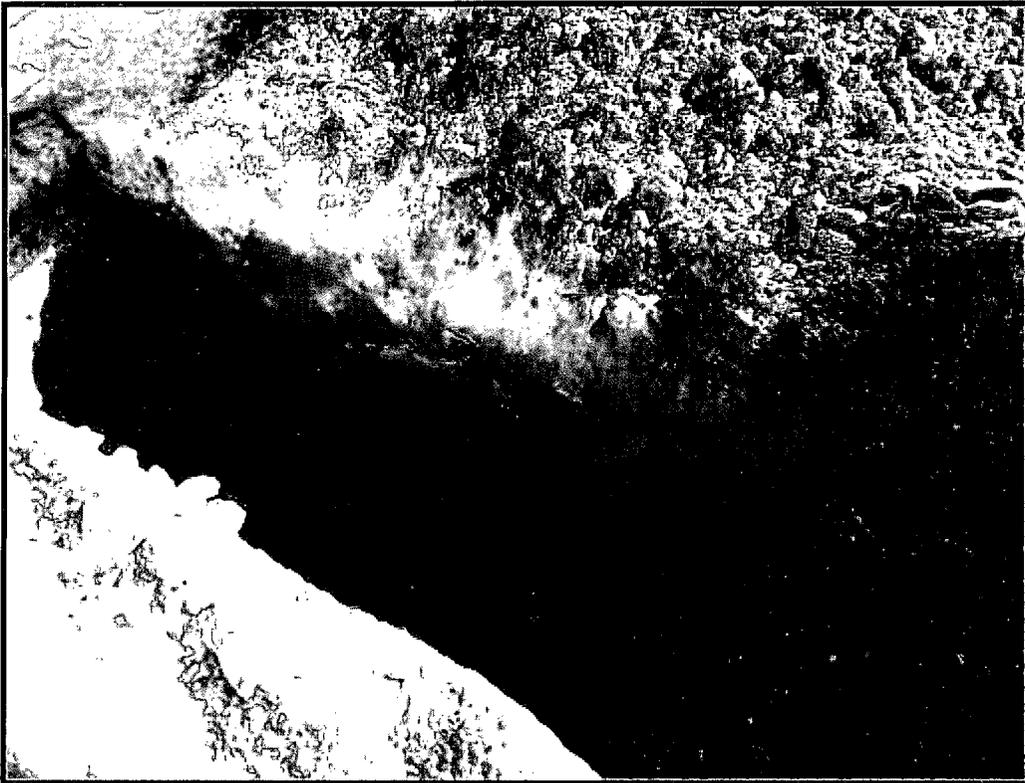
Test Trench #1



Test Trench #1 facing east



Test trench #2 soils



Test Trench #2



Test Trench #2 facing northwest



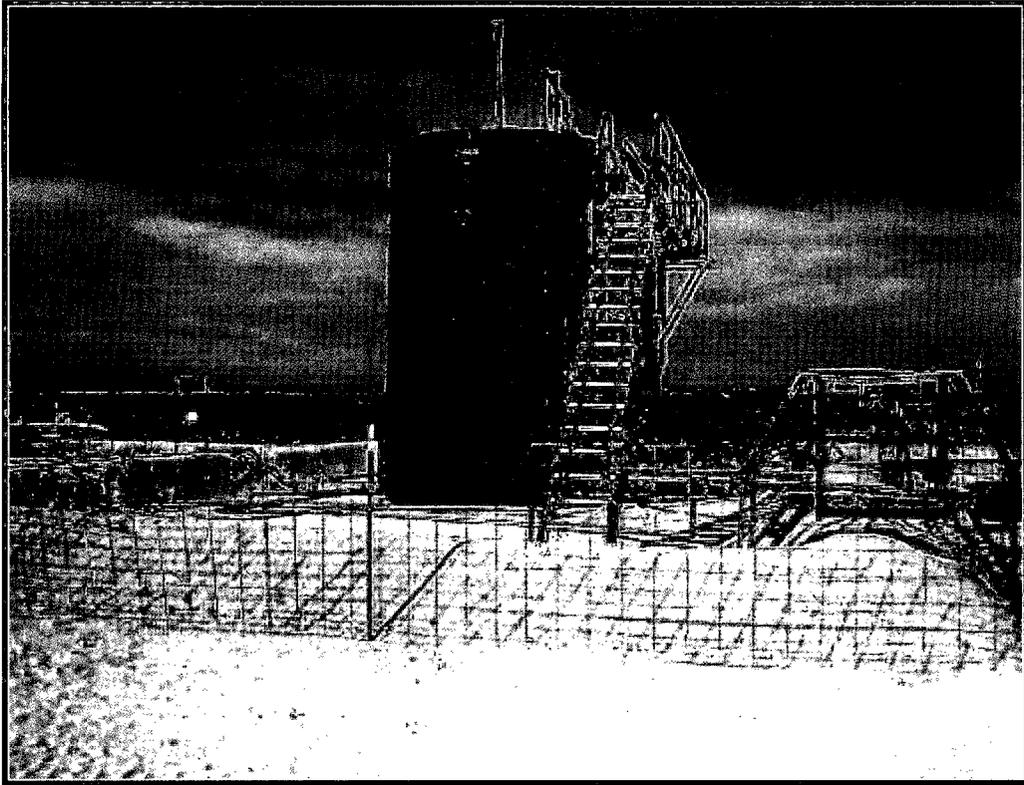
Test trenches facing north



Test Trenches facing west



Well head



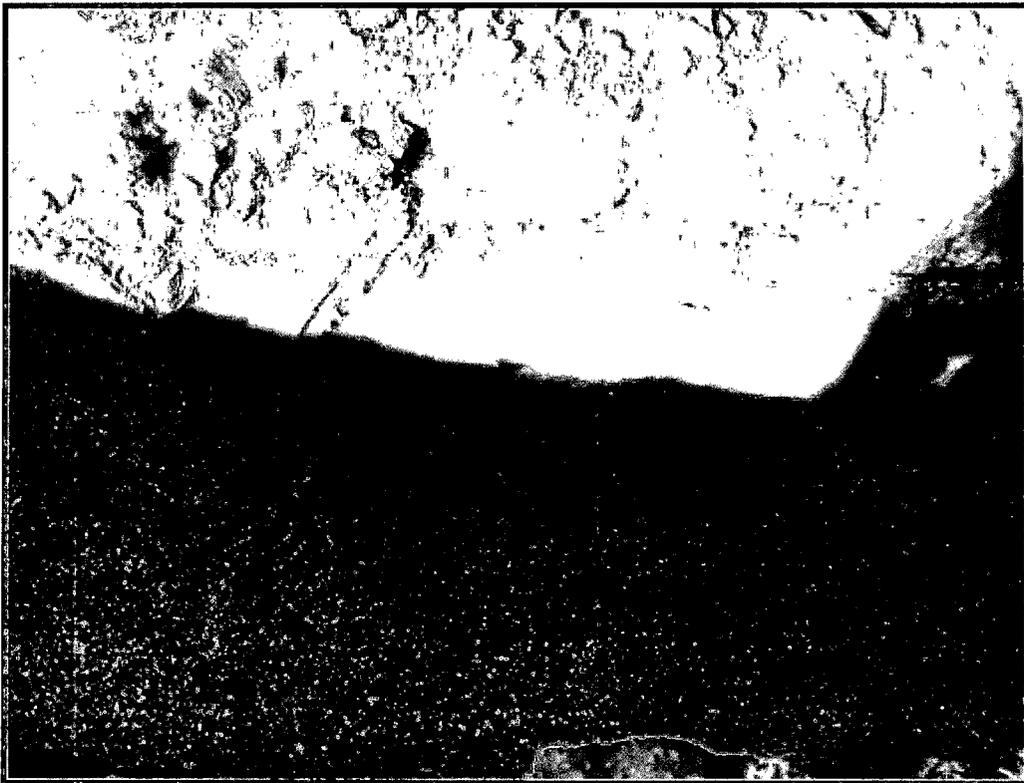
Tank batteries facing north



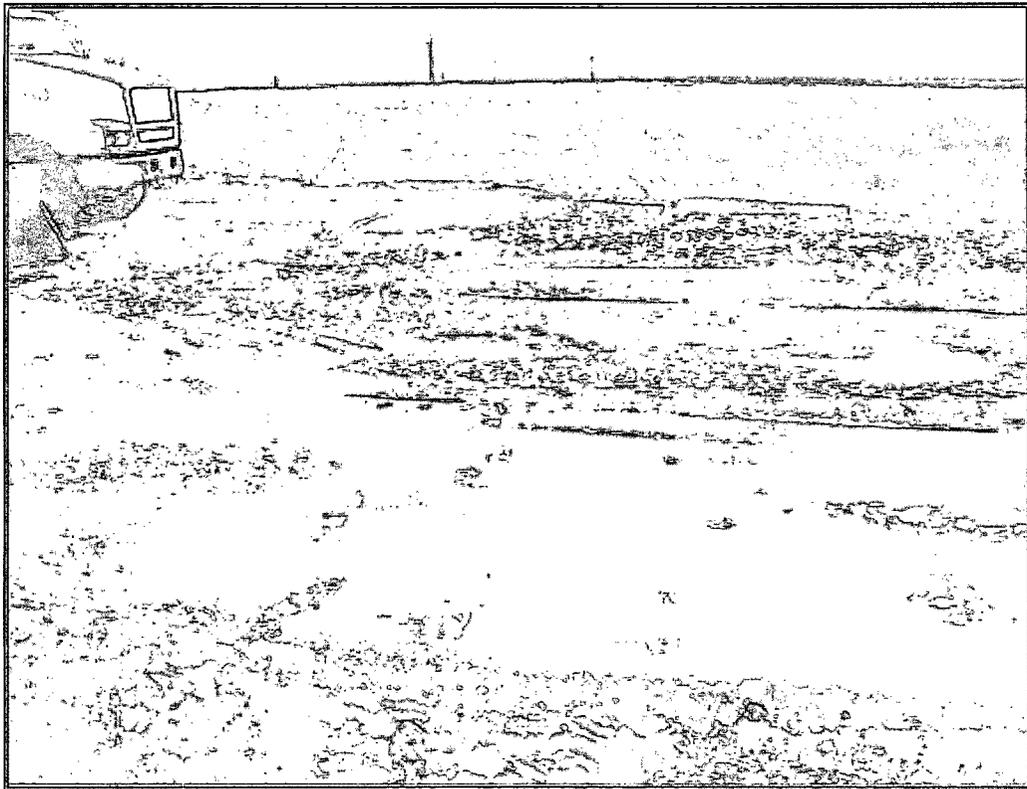
Test trenches backfilled facing west



Test trenches backfilled facing west



Test trench #4



Test trenches facing south

**Appendix C**  
**C-141**

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

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: Pipeline Deep Federal Com #1	Facility Type:

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
G	7	19S	34E					Lea

Latitude: Longitude:

**NATURE OF RELEASE**

Type of Release: Crude Oil	Volume of Release 122 bbls	Volume Recovered: 0 bbls
Source of Release: Internal Corrosion	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 9/1/10 10:50 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jim McCormick; Trisha Badbear, BLM	
By Whom? Sergio Contreras, SESI	Date and Hour 9/2/10, 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.\*

Internal corrosion caused a hole in the bottom of the tank. Vac truck onsite to recover standing fluid within the tank.

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: <i>Marty Davis</i>	<b>OIL CONSERVATION DIVISION</b>	
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: 9-29-10 Phone: (575) 605-5509		

\* Attach Additional Sheets If Necessary