

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.:
----------------	----------------	------------

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>	OIL CONSERVATION DIVISION	
Printed Name: Marty Davis	Approved by ^{ENV. ENGR.} District Supervisor: <i>Jeff Lehmig</i>	
Title: Field Foreman	Approval Date: 9/29/10	Expiration Date: 11/29/10
E-mail Address: mdavis@cimarex.com	Conditions of Approval:	Attached <input type="checkbox"/> IRP-02-11-2682
Date: 9-29-10 Phone: (575) 605-5509		

* Attach Additional Sheets If Necessary

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Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

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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

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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.*

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. TT #4 has TPH of 406 mg/kg. On January 20, 2011, SESI was onsite with Gandy's Corp. to re-install test trench #4 to a depth of 12' bgs and TPH results was <16.0 mg/kg. 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.

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>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Marty Davis	ENV ENGR: Approved by District Supervisor: <i>Jeff Lehring</i>	
Title: Field Foreman	Approval Date: 02/22/11	Expiration Date: -
E-mail Address: mdavis@cimarex.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/28/11 Phone: (575) 605-5509		IRP-02-11-2682

* 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

January 28, 2011



RECEIVED

FEB 22 2011

HOBBSUCD

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 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:

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)			10

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

On January 20, 2011, SESI was onsite with Gandy's Corp. to re-install test trench #4 to a depth of 12'bgs per Mr. Leking, NMOCD. A bottom sample (extent of backhoe) was obtained and transported under Chain of Custody to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Total Petroleum Hydrocarbons (TPH)(EPA Method 418.1) and Benzene, Toluene, Ethyl Benzene, and Total Xylenes (BTEX)(EPA Method 8260B):

The results of the re-install test trench are as follows:

Sample ID	TPH 418.1 (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
TT #4 12'bgs	<100	<0.050	<0.050	<0.050	<0.150

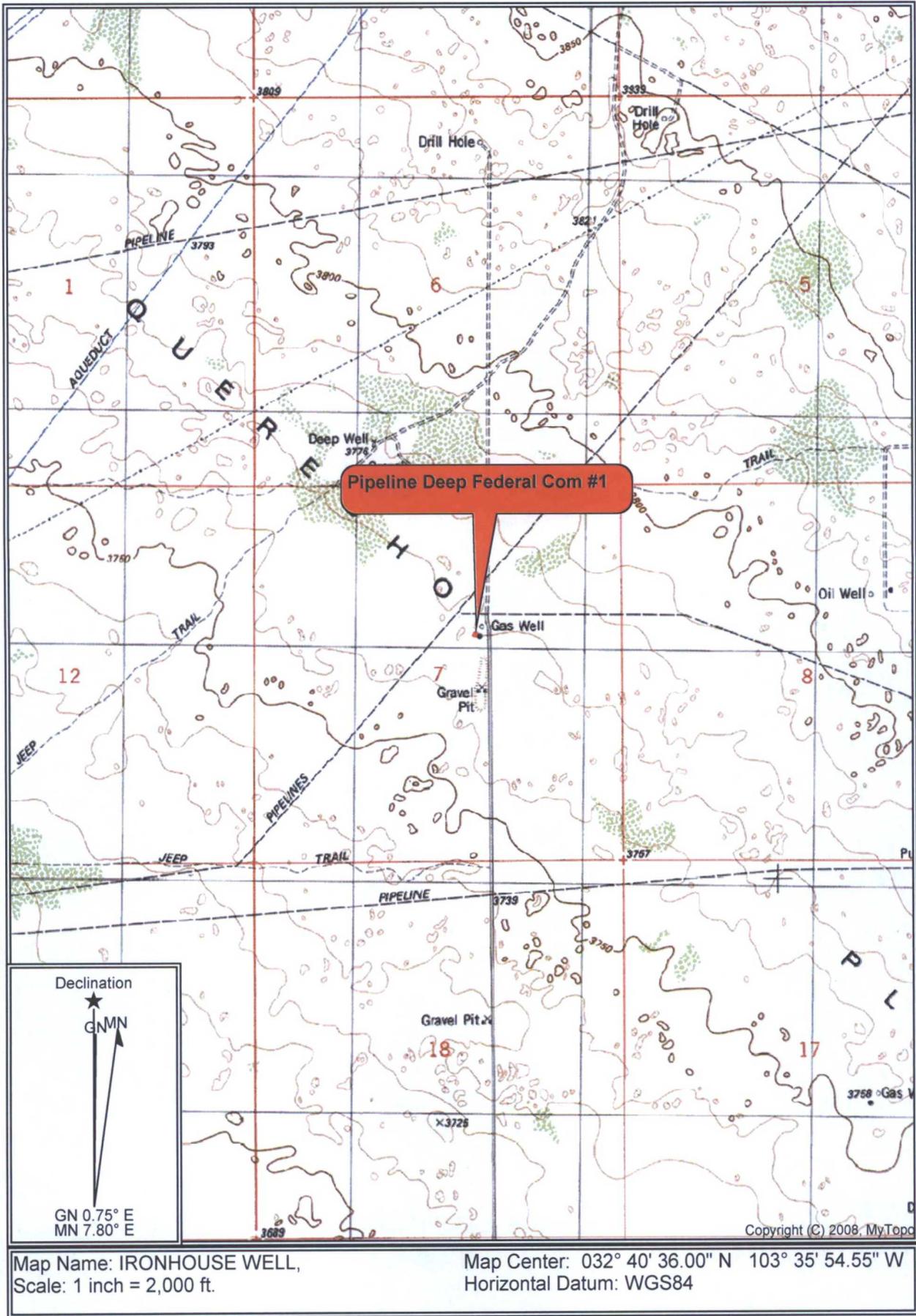
VII. Conclusion

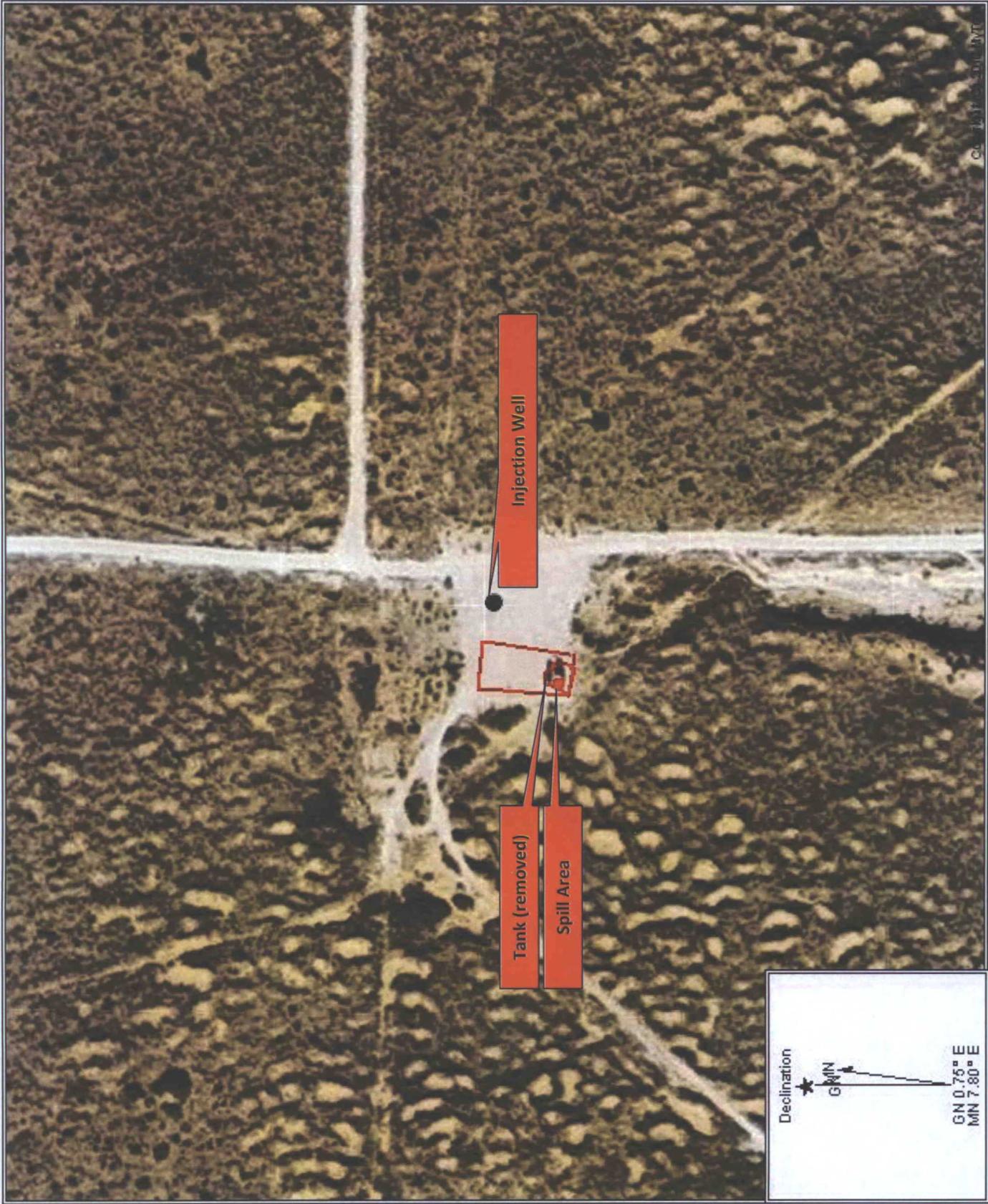
Remedial actions at this site have all been performed with the approval of, and in accordance with all NMOCD requirements.

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

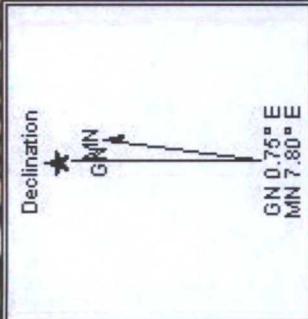
VIII. Figures and Appendices

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





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



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 (PIL) 111 % 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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 Bob Allen
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 Hobbs NM, 88240
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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)

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) 102 % 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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 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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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 (PIL) 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	

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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 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 (PIL) 116 % 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	406	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 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)

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

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

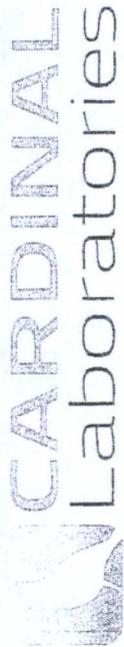
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Celey D. Keene, Lab Director/Quality Manager



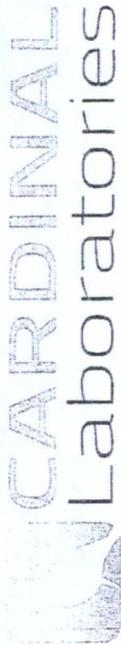
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: SESE Project Manager: Bob Allen Address: 209 E Clendon City: Hobbs State: NM Zip: 88240 Phone #: 575 397-0510 Fax #: Project #: Cim-10-016 Project Owner: Corvex Project Name: Pipeline Deep Feed Com #1 Project Location: Leoyam Sampler Name: Isaac Kirkland		BILL TO P.O. #: Company: Attn: Address: City: State: Phone #: Fax #:		ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D. 1121538-1 -2 -3 -4 -5 -6 -7 -8 -9 -10	Sample I.D. 1 lbs 3 lbs 1 lbs 3 lbs 1 lbs 3 lbs 1 lbs 3 lbs 5 lbs	MATRIX <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> WASTEWATER <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> (G)RAB OR (C)OMP	PRESERV <input checked="" type="checkbox"/> ICE / COOL <input type="checkbox"/> ACID/BASE <input type="checkbox"/> OTHER:	SAMPLING DATE 12/15/10 1220 1235 1238 1245 1250 1335 1338 1340 1515	TIME 13 TEX ✓ TPH 418-1 ✓ Chlorides ✓

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Relinquished By: 	Date: 12/15/10 Time: 1615	Received By: CBJ	Date: 12/15/10 Time:
Relinquished By: 	Date: Time:	Received By: CBJ	Date: Time:
Delivered By: (Circle One) Sampler- UPS - Bus - Other:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Checked By: (Initials) CB	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No ADD'l Phone #: ADD'l Fax #:
REMARKS: I kindred @ SESE-AM.COM			



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: SEEF Project Manager: Bob Allen Address: 203 E Clinton City: Hobbs Phone #: 575-397-0510 State: NM Zip: 88240 Project #: Cim-10-016 Project Name: Pipeline Deep Federal Can #1 Project Location: Canyon Sampler Name: Isaac Linnard		BILL TO P.O. #: Company: Attn: Address: City: State: Phone #: Fax #:		ANALYSIS REQUEST															
FOR LAB USE ONLY		MATRIX # CONTAINERS (GRAB OR COMPOUND) GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV ACID/BASE ICE / COOL OTHER:		SAMPLING DATE TIME		✓ chlorides ✓ TPH 418.1 ✓ BTEX											
Lab I.D. 421530-11		Sample I.D. 77 H 5 31655		6 12/15/15 15:20															

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Relinquished By: 		Received By: Date: 12/15/15 Time: 16:15 Received By: J-CBJ		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #:	
Relinquished By: 		Received By: Date: _____ Time: _____		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #26 4.5°C		Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) JCB	

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



January 25, 2011

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 01/20/11 14:45.

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:	01/20/2011	Sampling Date:	01/20/2011
Reported:	01/25/2011	Sampling Type:	Soil
Project Name:	CIM-10-016	Sampling Condition:	Cool & Intact
Project Number:	PIPELINE DEEP FEDERAL COM #1	Sample Received By:	Jodi Henson
Project Location:	LEA, NM		

Sample ID: TT #4 12' BGS (H100147-01)

BTEX 8021B

mg/L

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2011	ND	2.37	118	2.00	19.9	
Toluene*	<0.050	0.050	01/24/2011	ND	2.34	117	2.00	18.5	
Ethylbenzene*	<0.050	0.050	01/24/2011	ND	2.33	117	2.00	16.3	
Total Xylenes*	<0.150	0.150	01/24/2011	ND	6.97	116	6.00	16.0	

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

TPH 418.1

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	<100	100	01/21/2011	ND	1060	106	1000	0.948	

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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

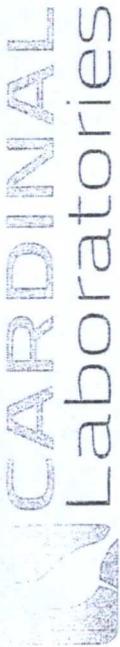
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>SEST</u>		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Bob Allen</u>	P.O. #:	Company:			
Address: <u>703 E Clinton</u>	Company:	Address: <u>Same</u>			
City: <u>Hobbs</u>	Attn:	City:			
Phone #: <u>575-397-0510</u>	Address: <u>Same</u>	State:			
State: <u>NM</u>	City:	Zip:			
Zip: <u>88240</u>	State:	Phone #:			
Project #: <u>C1M-10-016</u>	Project Owner: <u>Cimarex</u>	Fax #:			
Project Name: <u>Pipeline Deep Federal Com #1</u>					
Project Location: <u>Lea, NM</u>					
Sampler Name: <u>Esac Kirsch</u>					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX	PRESERV	SAMPLING	DATE	TIME
HDD141	7704 12' bgs	61		WASTEWATER		WASTEWATER			1/20/11	0839
				SOIL		SLUDGE				
				OIL		OTHER:				
				ACID/BASE:		ICE / COOL				
				OTHER:						

Relinquished By:

Relinquished By:

Delivered By: (Circle One) UPS

Sample Condition: Cool/Intact Yes No

Checked By:

Received By: Jodi Newton

Date: 1/20/11 Time: 1445

Received By: Jodi Newton

Date: 1/20/11 Time: 1445

Phone Result: Yes No

Fax Result: Yes No

Phone Result: Yes No

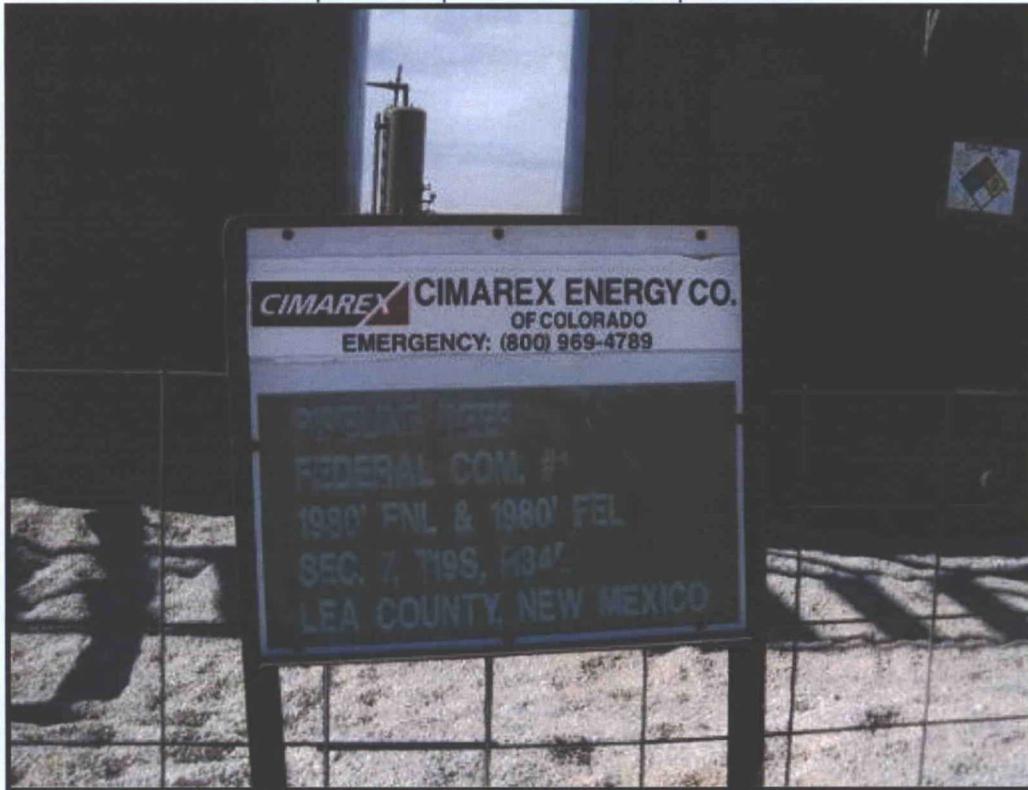
Fax Result: Yes No

REMARKS:

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

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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



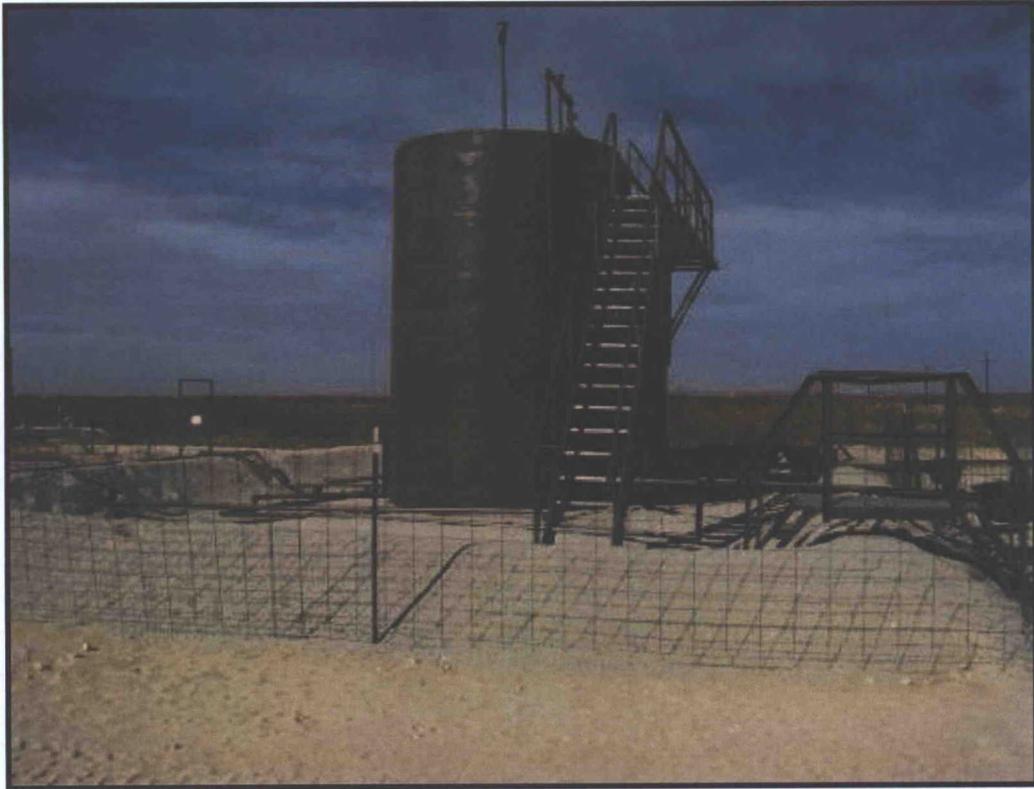
Test trenches facing north



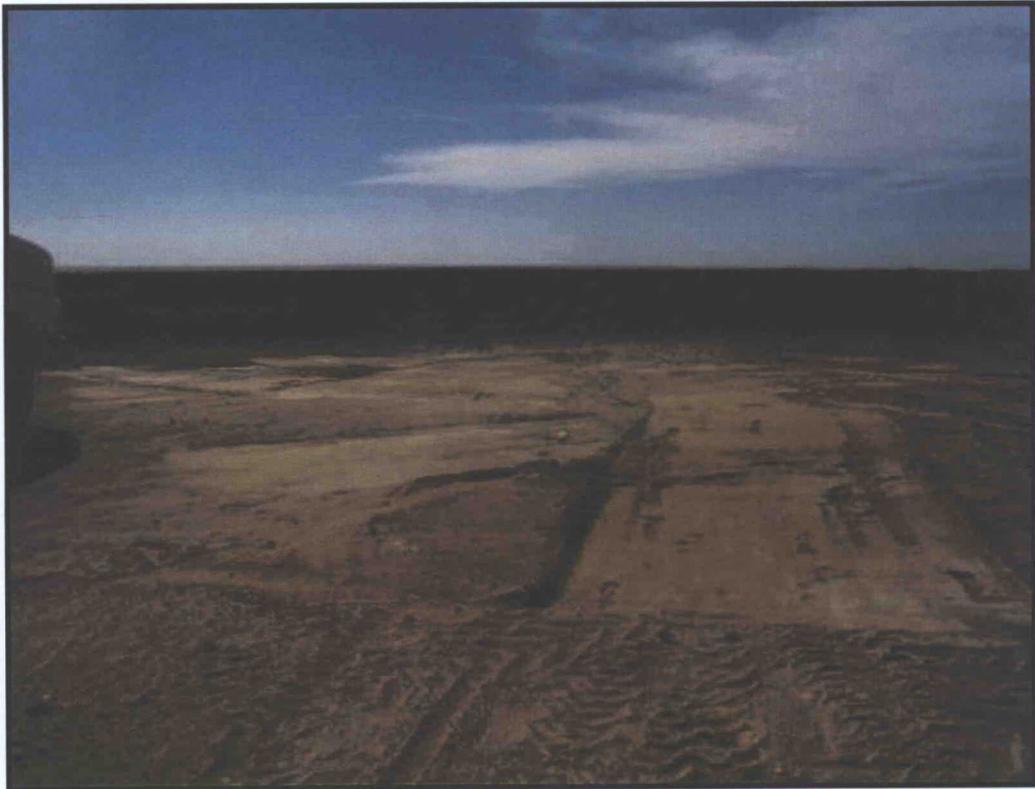
Test Trenches facing west



Well head



Tank batteries facing north



Test trenches backfilled facing west



Test trenches backfilled facing west



Test trench #4



Test trenches facing south

Cimarex Pipeline Deep Federal Site Photos 1-20-11



Test Trench #4 12'bgs



Test Trench #4 backfilled