IRP-213
10.25.05

Clay Cooper #14 Closure Report
Duke Energy Field Services
Lea County, New Mexico

OCTOBER 2, 2002

Prepared For:

Duke Energy Field Services
P. O. Box 5493
Denver, CO 80217

Site Name:

CLAY COOPER #14 (CC#14)

Site Location:

T20S, R36 E, SECTION 25, UNIT D

Prepared By:

TRIDENT ENVIRONMENTAL

PO Box 7624
Midland, Texas 79708

Sheeley, Paul

From: Gilbert J Van Deventer [kickbooty@juno.com]
Sent: Thursday, October 24, 2002 8:15 AM
To: PSheeley@state.nm.us
Subject: 1,284 correction

CC14Close.doc

Corrected the yardage from 1.284 to 1,284 yds on CC#14

Gilbert J. Van Deventer, REM gilvandeventer@yahoo.com
Trident Environmental
Office: 915-682-0808
Fax/Home: 915-682-0727
Mobile: 915-638-3106

Sheeley, Paul

To: 'swweathers@duke-energy.com'; 'kickbooty@juno.com'
Cc: Anderson, Roger; Williams, Chris; Johnson, Larry; Olson, William
Subject: CCooper #11,14 Closure approval

Please see attached.

Clay Cooper
ısure #11,14, C

If you have any questions or need assistance please write or call: (505) 393-6161, ext. 113, or e-mail: psheeeley@state.nm.us <mailto:psheeeley@state.nm.us>

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

October 25, 2002

Duke Energy Field Services, LP (DEFS)
Attn: Stephen Weathers
POB 5493
Denver, CO 80217

Re: Spill Site Closure Approval for Duke Energy Field Services, LP
Clay Cooper #11: UL-D, Sec 26-T20S-R36E Dated: August 7, 2002
Clay Cooper #14: UL-D, Sec 25-T20S-R36E. Dated: October 2, 2002

Dear Mr. Weathers,

The Spill Site Closure Reports referenced above and submitted to the New Mexico Oil Conservation Division (OCD) by Trident Environmental for DEFS are **hereby approved.**

Please be advised that OCD approval of this plan does not relieve DEFS of liability should their operations fail to adequately investigate and remediate contaminants that threaten ground water, surface water, human health or the environment. In addition, OCD approval does not relieve DEFS of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please write or call: (505) 393-6161, ext. 113, or e-mail: psheeley@state.nm.us

Sincerely,

Paul Sheeley-Environmental Engineer
Cc: Roger Anderson - Environmental Bureau Chief
Chris Williams - District I Supervisor
William Olson - OCD Hydrologist
Larry Johnson - Environmental Engineer
Gil Van Deventer – Trident Environmental

TRIDENT ENVIRONMENTAL

October 2, 2002

Mr. Steve Weathers
Duke Energy Field Services, LP
P. O. Box 5493
Denver, Colorado 80217

Re: Removal of Hydrocarbon-Impacted Soils from the CC #14 site
Township 20 South, Range 36 East, Section 25, Unit D

Dear Mr. Weathers:

Trident Environmental (Trident) was retained by Duke Energy Field Services, LP. (DEFS) to oversee the removal of hydrocarbon-impacted soil from an area along a pipeline right-of-way operated by DEFS near Monument, New Mexico in Lea County. The site (CC #14) is located in Section 25 (Unit D), Township 20 South, Range 36 East on property owned by Dale Cooper and managed by Clay Cooper. The location of the CC #14 site is shown on the topographic map in Attachment A. The work was conducted in accordance with the work plan submitted to the New Mexico Oil Conservation Division (OCD). Trident personnel periodically collected soil samples to characterize the extent of hydrocarbon-impact and to verify when cleanup target levels had been achieved. This letter report describes the methods and results of the excavation, sampling, waste disposition, and backfilling operations for documentation that closure requirements have been satisfied.

Excavation and Sampling Procedures

Walton Construction Company, Inc. (Hobbs, New Mexico) performed excavation. Walton Construction used one trackhoe, one dozer, one loader, and 12 yd^3 dump trucks for earthmoving services. An area adjacent to two 10-inch steel pipelines was excavated where Mr. Cooper identified indications of hydrocarbon-impacted soils. A drip pot (liquid collection vessel) was attached beneath each of the two pipelines. One of the 10-inch lines is in service. The second 10-inch pipeline located approx. 10 feet south of the active line is temporarily out of service. Both drip pots were removed prior to over-excavating the area. Additional excavation was conducted beneath a 4-inch steel line that extended approximately 300 feet south of the two 10-inch pipelines. An approximately 40-foot section of the 4-inch line (between the active line and a valve riser) was removed. During excavation operations, subsurface soil samples were collected and submitted to an analytical laboratory to characterize the approximate lateral and vertical extent of hydrocarbon-impacted soil in each area. Samples were collected by Trident with stainless steel trowels. Grab samples were collected from the floor and walls (north, south, east, and west), as specified in the site data form in Attachment A. During the course of excavation activities, samples were also collected for headspace analysis using an organic vapor meter (OVM), which was calibrated to assume a benzene response factor. All soil sampling, headspace analysis, and laboratory analysis were performed in accordance with OCD *"Guidelines for Remediation of Leaks, Spills, and Releases"* (August 13, 1993). Excavation operations were completed when laboratory analysis of collected samples indicated the extent of hydrocarbon-impacted soils remaining in the excavation were below the following concentrations:

- 100 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons (TPH),
- 10 mg/kg benzene,
- 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX)

Soil samples were submitted to Environmental Laboratory of Texas (Odessa, Texas) and analyzed for gas and diesel range organics (GRO and DRO) using EPA Method 8015 to determine TPH concentrations. BTEX analyses were conducted only for the soil samples with OVM or GRO concentrations exceeding 100 ppm.

Soil Stockpiling, Waste Disposition, and Backfilling

An effort to segregate clean versus impacted soil during excavation was made. Only hydrocarbon-impacted soil that exceeded 100 mg/kg GRO/DRO, 10 mg/kg benzene, and/or 50 mg/kg total BTEX was transported to the South Monument Landfarm. These target cleanup levels are based on the ranking criteria in the OCD *"Guidelines for Remediation of Leaks, Spills, and Releases"*. A total ranking score of greater than 19 points was assumed since groundwater is less than 50 feet below ground surface based on landowner's claims and well records from the Office of the State Engineer.

see attached page

Approximately ~~1,284~~ cubic yards of hydrocarbon-impacted soils were transported by Walton Construction to cell C-5 at the South Monument Landfarm, which is owned and operated by Ms. Kena Kay Cooper (OCD Rule 711 Permit Approval NM-01-0032). A completed *Release Notification and Corrective Action* (C-141) form is included in Attachment A.

Excavated soils below the remediation action levels and as agreed upon by Mr. Cooper were returned to the excavation after sampling and analysis verification. Also, native soil from adjacent sand dunes in the area was provided by Mr. Cooper and used as additional backfill in the excavation to restore the excavation to a level grade.

Results

At the completion of excavation activities all areas had petroleum hydrocarbon concentrations below the OCD standards listed above. Soil sample locations are depicted on the Site Map in Attachment A. A summary of the analytical results and photo documentation are also provided in Attachment A. Laboratory analytical reports, and chain-of-custody documentation for the samples collected are provided in Attachment B. Copies of the field logbook are in Attachment C.

Sincerely,

Gilbert J. Van Deventer, REM
Project Manager

Attachments

cc: Clay Cooper, landowner – Hobbs, NM

ATTACHMENT A

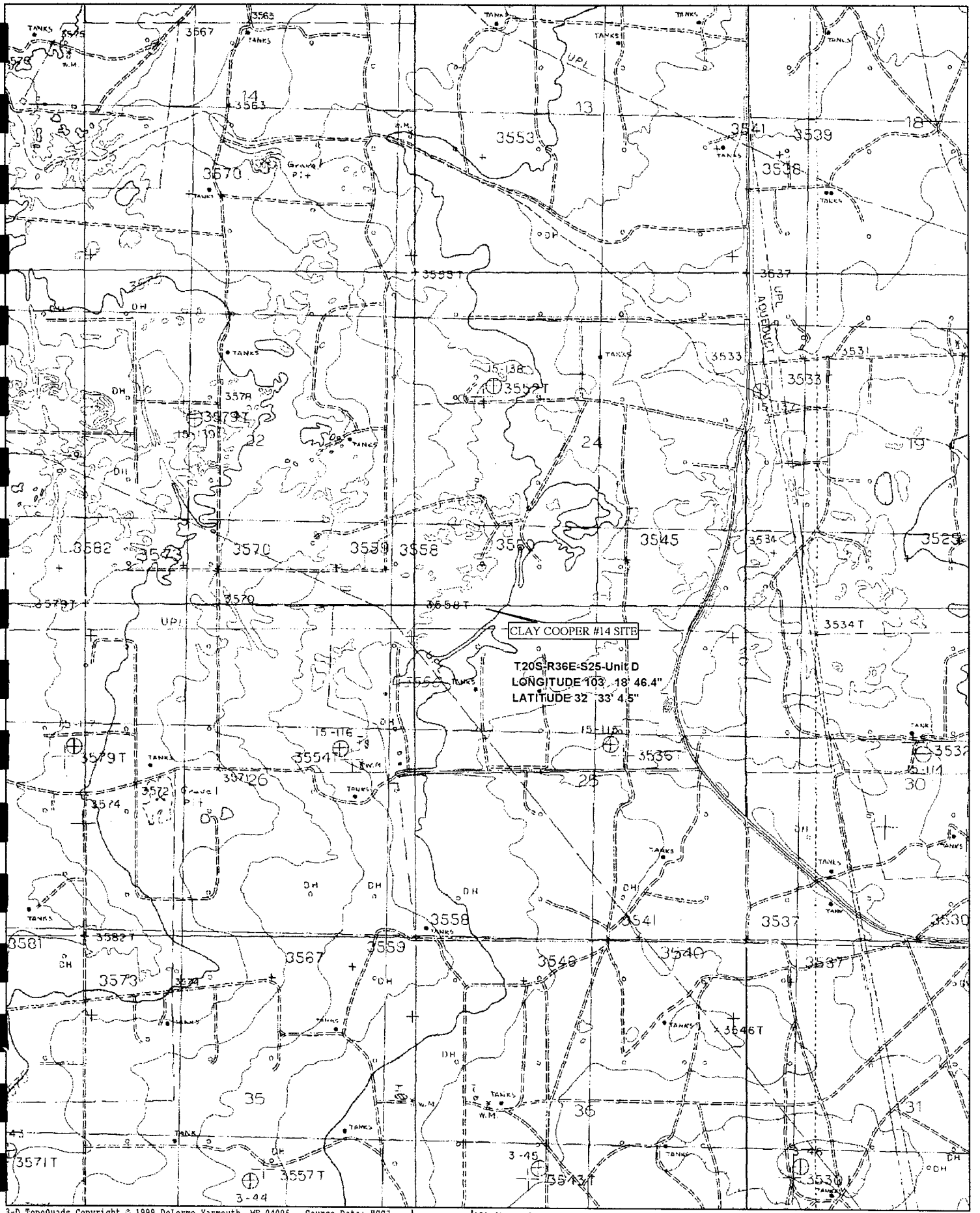
TOPOGRAPHIC MAP

SITE MAP

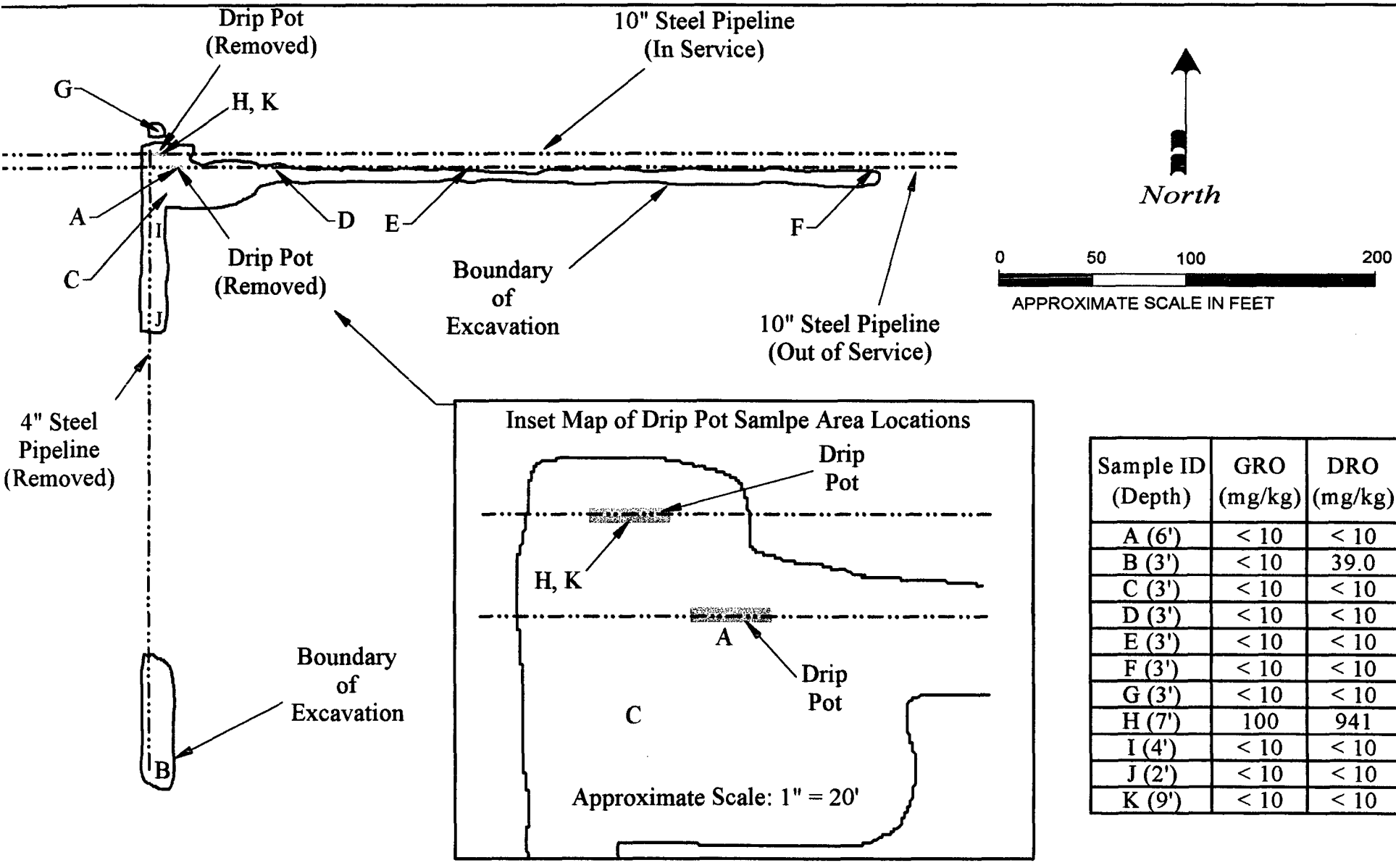
SITE DATA FORM

C-141 FORM

PHOTODOCUMENTATION



 Source Data: USGS 950 ft Scale: 1 : 24,000 Detail: 13-0 Datum: WGS84



Sample ID (Depth)	GRO (mg/kg)	DRO (mg/kg)
A (6')	< 10	< 10
B (3')	< 10	39.0
C (3')	< 10	< 10
D (3')	< 10	< 10
E (3')	< 10	< 10
F (3')	< 10	< 10
G (3')	< 10	< 10
H (7')	100	941
I (4')	< 10	< 10
J (2')	< 10	< 10
K (9')	< 10	< 10

TRIDENT ENVIRONMENTAL

SITE NAME: CLAY COOPER # 14	
DATE: 08/09/02	REVISION NO.: 1
DRAWN BY: GJV	FILENAME: CC12.TCW
CHECKED BY: DTL	SCALE: 1 INCH = 100 FT

SITE MAP

Site Data Form

Trident Technician: DTL Excavation Crew Names: Walton Construction Site ID: Clay Cooper # 14

Site Location: Latitude 32° 33' 4.5" N Longitude 103° 18' 46.4" W County: Lea State: New Mexico

Township 20 South Range 36 East Section 25 Unit D

Begin Excavation (Date/Time) 07/31/02 Complete Excavation (Date/Time) 08/09/02

LAND USE: (Check all that apply)

- ☐ Residential
- ☐ Industrial
- ■ Oil & Gas
- ☐ Recreational
- ☐ School/Daycare
- ☐ Rural
- ☐ Farm land
- ■ Range land
- ☐ Other:

Depth to Groundwater: ☐ > 100 feet ☐ 50 - 99 ■ < 50 feet

Wellhead Protection Area: ■ > 1,000 feet from a water source ☐ < 200 feet from private domestic water source

Distance to Nearest Surface Water Body: ■ > 1,000 feet ☐ 200 – 1,000 feet ☐ < 200 feet

SURFACE SOILS:

- ■ Sand
- ☐ Caliche
- ☐ Gravel
- ■ Clay
- ☐ Silt
- ■ Other Silty clay at depth

EXCAVATION DIMENSIONS	Length	Width	Average Depth	Maximum Depth
	~400 feet	10-60 feet	3-9 feet	9 feet

VOLUME EXCAVATED: ~2,000 yd³ 6000' **VOLUME HAULED TO LANDFARM:** 1,284 yd³

SUMMARY OF ANALYTICAL RESULTS

Sample ID	Sample Type	Date	OVM (mg/m³)	GRO (mg/kg)	DRO (mg/kg)	Benzene (mg/m³)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
A (6')	Grab	07-31-02	0	< 10	< 10	---	---	---	---
B (3')	Grab	07-31-02	0	< 10	39.0	---	---	---	---
C (3')	Grab	08-05-02	0	< 10	< 10	---	---	---	---
D (3')	Grab	08-05-02	0	< 10	< 10	---	---	---	---
E (3')	Grab	08-05-02	0	< 10	< 10	---	---	---	---
F (3')	Grab	08-05-02	0	< 10	< 10	---	---	---	---
G (3')	Grab	08-05-02	0	< 10	< 10	---	---	---	---
H (7')	Grab	08-09-02	110	100	941	< 0.025	< 0.025	0.060	0.348
I (4')	Grab	08-09-02	1	< 10	< 10	---	---	---	---
J (2')	Grab	08-09-02	2	< 10	< 10	---	---	---	---
K (9')	Grab	08-09-02	0	< 10	< 10	---	---	---	---
Exc. Soil-1 (land farm)	Comp	08-05-02	114	1060	4840	< 0.025	0.036	0.178	0.614
Backfill-1	Comp	08-09-02	0	< 10	< 10	---	---	---	---

Note: The area below sample "H" (7' directly below drip pot that was removed from active 10" steel pipeline) was excavated further until concentrations were below OCD guidelines as confirmed by subsequent sample K(9').

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

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	Contact
Duke Energy Field Services Inc.	Mr. Steve Weathers
Address	**Telephone No.**
P. O. Box 5493, Denver, Colorado 80217	(303) 605-1718
Facility Name	**Facility Type**
Site Name: CC #14	Natural Gas Pipeline

Surface Owner	Mineral Owner	Lease No.
Dale Cooper	Unknown	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	25	20S	36E		32° 33' 4.5" N		103° 18' 46.4" W	Lea

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Condensate	Unknown	1,284 yd^3 soil removed
Source of Release	**Date and Hour of Occurrence**	**Date and Hour of Discovery**
Pipeline	Unknown	Unknown
Was Immediate Notice Given?	**If YES, To Whom?**	
☐ Yes ☐ No ■ Not Required	Larry Johnson, NMOCD District 1	
By Whom?	**Date and Hour**	
Steve Weathers		
Was a Watercourse Reached?	**If YES, Volume Impacting the Watercourse.**	
☐ Yes ■ No	N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

10/25/02 Closure

Describe Cause of Problem and Remedial Action Taken.*

Historical condensate release caused by subsurface external corrosion. Removal of impacted soil requested by landowner (Clay Cooper).

Describe Area Affected and Cleanup Action Taken.*

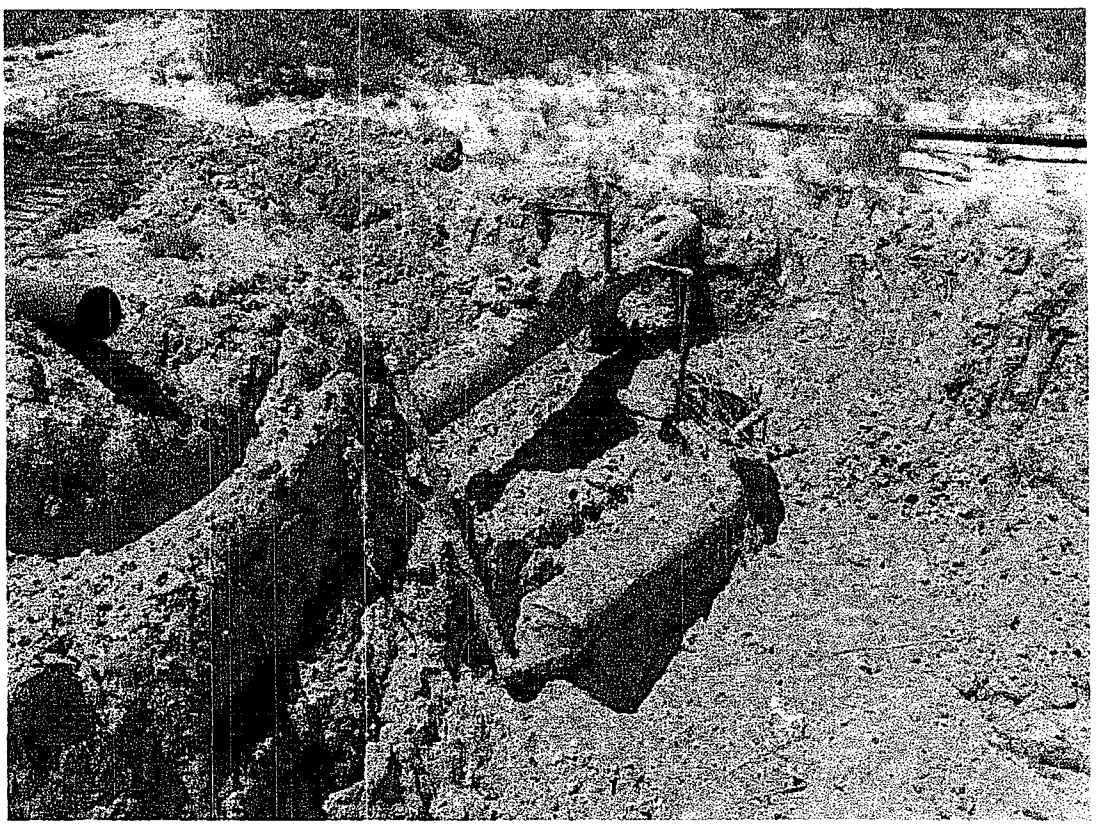
On 0731/02 over-excavation was initiated. Excavation continued until 08/09/02. The excavation was relatively shallow (3 ft to 9 ft) and measured approx. 10-60 ft wide by 400 ft long. Approximately 1,284 cu yds of soil was transported to cell C-5 at the South Monument Land Farm. Backfilling of excavation was completed on 08/21/02. Closure report, analytical results, photographs, and site map are attached.

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: Stephen Weathers	Approved by District Supervisor:
Title: Environmental Specialist	Approval Date: / Expiration Date:
Date: 10/8/02 Phone: (303) 605-1718	Conditions of Approval: / Attached ☐

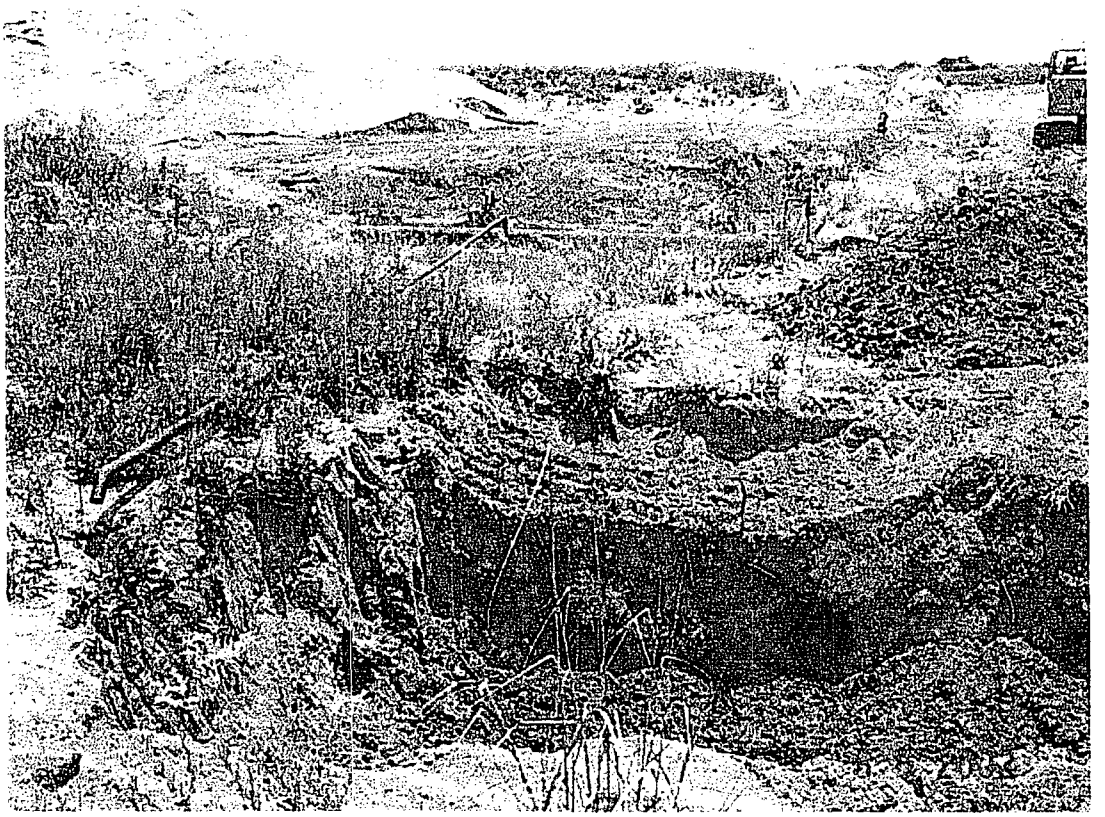
* Attach Additional Sheets If Necessary

1 View showing hydrocarbon-stained soil and drip pot location beneath active pipeline (left center). The 4-inch pipeline is shown at bottom of photo. The drip pot and 4-inch line were removed.



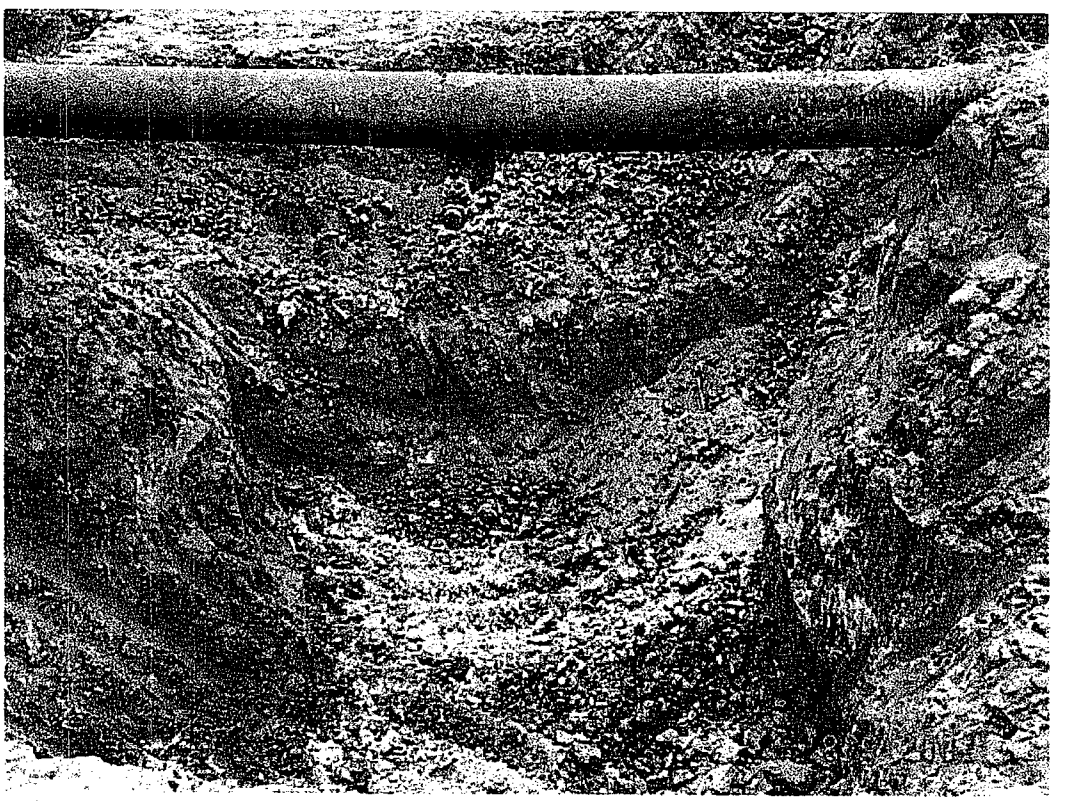
2 View facing southwest showing old drip pot beneath out of service pipeline prior to removal and over-excavation activities (07-31-02).

3 View showing early stage of excavation that extends approximately 400 feet east along the 10-inch steel pipeline (out of service). The 10-inch active pipeline (left center) and 4-inch line (foreground) are shown prior to excavation activity beneath them.



4 View facing south showing excavation beneath blowdown line (foreground) located north of the active pipeline (background).

5 View facing north showing shallow excavation directly beneath 4-inch pipeline, which was removed. Excavation extends approx. 140 ft. north to both 10-inch pipelines (background).



6 View showing floor of excavation (9' depth) directly beneath 10-inch steel active pipeline where drip pot was removed at completion of excavation activities.

ATTACHMENT B

LABORATORY ANALYTICAL REPORTS

AND

CHAIN-OF-CUSTODY DOCUMENTATION

CC-14

ANALYTICAL REPORT

Prepared for:

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Project:	Duke Energy Field Services
PO#:	V-106
Order#:	G0204079
Report Date:	08/01/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708
682-0727

Order#: G0204079
Project: V-106
Project Name: Duke Energy Field Services
Location: CC#14

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204079-01	Old Drip Pot Pit (6')	SOIL	7/31/02 13:30	7/31/02 15:45	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 2 C		
0204079-02	Below S.Line Stain (3')	SOIL	7/31/02 13:40	7/31/02 15:45	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 2 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Order#: G0204079
Project: V-106
Project Name: Duke Energy Field Services
Location: CC#14

Lab ID: 0204079-01
Sample ID: Old Drip Pot Pit (6')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Lab ID: 0204079-02
Sample ID: Below S.Line Stain (3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**39.0**	10.0
TOTAL, C6-C35	**39.0**	10.0

Approval: Raland K Tuttle 8-05-02
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204079

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002635-02			<10.0		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0002635-03		909	1070	117.7%	
CONTROL DUP SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0002635-04		909	883	97.1%	19.2%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0002635-05		1000	936	93.6%	

TRIDENT ENVIRONMENTAL

Trident Environmental
P.O. Box 7624
Midland, Texas 79708
(915) 682-0808
(915) 689-4578 (Fax)

V-106-CC14-01

Chain of Custody

Date 7/31/02 Page 1 of 1

Lab Name: Environmental Lab of Texas, Inc.
Address: 12600 West I-20 East
Odessa, TX 79763
Telephone: (915) 563-1800 Fax: (915) 563-1713

Samplers (SIGNATURES) Dale T Littlejohn

Sample Identification	Matrix	Date	Time	Sample Type: G - Grab, C- Composite	BTEX (EPA 8021B)	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals	Number of Containers
01 Old Dmp Pit Pit (6')	Soil	7/31	1330	G									✓	✓					1
02 Below S. line Drain (3')	"	"	1340	G									✓	✓					1

Analysis Request: GRO (EPA 8015G) = Ext + Purge

Project Information		Sample Receipt	
Project Name:	Duke Energy Field Services	Total Containers:	
Project Location:	CC#14	COC Seals:	
Project Manager:	Gil Van Deventer	Rec'd Good Cond/Cold:	
Cost Center No.:	V-106	Conforms to Records:	
Shipping ID No.:		Lab No.:	
Bill to (see below):	Duke Energy Field Services		
Special Instructions:	Attn: Steve Weathers POBox 5493 Denver, CO 80217	2°C	

Relinquished By: (1) (Company)	Relinquished By: (2) (Company)	Relinquished By: (3) (Company)
Trident Environmental		
(Printed Name) Dale Littlejohn	(Printed Name) TODY	(Printed Name)
(Signature) Dale T Littlejohn	(Signature)	(Signature)
(Date) 7/31/02 (Time) 15:45	(Date) (Time)	(Date) (Time)
Received By: (1) (Company)	**Received By: (2) (Company)**	**Received By: (3) (Company)**
(Printed Name) TODY WORTHY	(Printed Name)	(Printed Name)
(Signature) Tody B Worthy	(Signature)	(Signature)
(Date) 7-31-02 (Time) 15:45	(Date) (Time)	(Date) (Time)

Copy signed original form for Trident Environmental records

CC-14

ANALYTICAL REPORT

Prepared for:

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Project:	Duke Energy Field Services
PO#:	
Order#:	G0204123
Report Date:	08/08/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708
682-0727

Order#: G0204123
Project: V-106
Project Name: Duke Energy Field Services
Location: CC #14

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204123-01	C (3')	SOIL	8/5/02 13:20	8/5/02 17:05	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 2.5 C		
0204123-02	D (3')	SOIL	8/5/02 12:40	8/5/02 17:05	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 2.5 C		
0204123-03	E (3')	SOIL	8/5/02 12:50	8/5/02 17:05	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 2.5 C		
0204123-04	F (3')	SOIL	8/5/02 13:00	8/5/02 17:05	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 2.5 C		
0204123-05	G (3')	SOIL	8/5/02 13:30	8/5/02 17:05	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 2.5 C		
0204123-06	Exc. Soil 1	SOIL	8/5/02 13:40	8/5/02 17:05	4 oz glass	Ice
	Lab Testing: 8015M 8021B/5030 BTEX	**Rejected:** No		**Temp:** 2.5 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Order#: G0204123
Project: V-106
Project Name: Duke Energy Field Services
Location: CC #14

Lab ID: 0204123-01
Sample ID: C (3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
	8/6/02	8/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Lab ID: 0204123-02
Sample ID: D (3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
	8/6/02	8/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Order#: G0204123
Project: V-106
Project Name: Duke Energy Field Services
Location: CC #14

Lab ID: 0204123-03
Sample ID: E (3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
	8/6/02	8/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Lab ID: 0204123-04
Sample ID: F (3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
	8/6/02	8/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Order#: G0204123
Project: V-106
Project Name: Duke Energy Field Services
Location: CC #14

Lab ID: 0204123-05
Sample ID: G (3')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
	8/6/02	8/6/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Lab ID: 0204123-06
Sample ID: Exc. Soil 1

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
	8/6/02	8/6/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**1060**	100
DRO, >C12-C35	**4840**	100
TOTAL, C6-C35	**5900**	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002741-02		8/7/02 16:24	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.0254
Ethylbenzene	**0.178**	0.0254
Toluene	**0.036**	0.0254
p/m-Xylene	**0.459**	0.0254
o-Xylene	**0.155**	0.0254

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

GILBERT VAN DEVENTER		Order#:	G0204123
TRIDENT ENVIRONMENTAL		Project:	V-106
P.O. BOX 7624		Project Name:	Duke Energy Field Services
MIDLAND, TX 79708		Location:	CC #14

Approval: Raland K Tuttle 8-10-02

Raland K. Tuttle, Lab Director, QA Officer — Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204123

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002705-02			<10.0		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204123-01	0	909	931	102.4%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204123-01	0	909	906	99.7%	2.7%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0002705-05		1000	923	92.3%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204123

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0002741-02			<0.025		
Ethylbenzene-mg/kg	0002741-02			<0.025		
Toluene-mg/kg	0002741-02			<0.025		
p/m-Xylene-mg/kg	0002741-02			<0.025		
o-Xylene-mg/kg	0002741-02			<0.025		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0204107-06	0	0.1	0.092	92.%	
Ethylbenzene-mg/kg	0204107-06	0	0.1	0.097	97.%	
Toluene-mg/kg	0204107-06	0	0.1	0.096	96.%	
p/m-Xylene-mg/kg	0204107-06	0	0.2	0.201	100.5%	
o-Xylene-mg/kg	0204107-06	0	0.1	0.097	97.%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0204107-06	0	0.1	0.090	90.%	2.2%
Ethylbenzene-mg/kg	0204107-06	0	0.1	0.095	95.%	2.1%
Toluene-mg/kg	0204107-06	0	0.1	0.094	94.%	2.1%
p/m-Xylene-mg/kg	0204107-06	0	0.2	0.197	98.5%	2.%
o-Xylene-mg/kg	0204107-06	0	0.1	0.095	95.%	2.1%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0002741-05		0.1	0.091	91.%	
Ethylbenzene-mg/kg	0002741-05		0.1	0.096	96.%	
Toluene-mg/kg	0002741-05		0.1	0.095	95.%	
p/m-Xylene-mg/kg	0002741-05		0.2	0.198	99.%	
o-Xylene-mg/kg	0002741-05		0.1	0.096	96.%	

TRIDENT ENVIRONMENTAL

Trident Environmental
P.O. Box 7624
Midland, Texas 79708
(915) 682-0808
(915) 689-4578 (Fax)

V-106-CC14-02

Chain of Custody

Date 8-5-02 Page 1 of 1

Lab Name: Environmental Lab of Texas, Inc.
Address: 12600 West I-20 East
Odessa, TX 79763
Telephone: (915) 563-1800 Fax: (915) 563-1713

Samplers (SIGNATURES)

2041123

	Sample Identification	Matrix	Date	Time	Sample Type: G - Grab, C- Composite	BTEX (EPA 8021B)	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals	Number of Containers
01	C (3')	Soil	8-5-02	1320	G									✓	✓					1
02	D (3')	Soil	8-5-02	1240	G									✓	✓					1
03	E (3')	Soil	8-5-02	1250	G									✓	✓					1
04	F (3')	Soil	8-5-02	1300	G									✓	✓					1
05	G (3')	Soil	8-5-02	1330	G									✓	✓					1
06	Exc. Soil - 1	Soil	8-5-02	1340	C	✓								✓	✓					1

Analysis Request

Project Information		Sample Receipt		
Project Name:	Duke Energy Field Services	Total Containers:		
Project Location:	CC#14	COC Seals:		
Project Manager:	Gil Van Deventer	Rec'd Good Cond/Cold:	25C	
Cost Center No.:	V-106	Conforms to Records:	25C	
Shipping ID No.:		Lab No.:		
Bill to (see below):	Duke Energy Field Services			
Special Instructions:	Attn: Steve Weathers POBox 5493 Denver, CO 80217			

Relinquished By: (1) (Company)	Relinquished By: (2) (Company)	Relinquished By: (3) (Company)
Trident Environmental		
(Printed Name) ~~Dale Littlejohn~~ Gilbert Van Deventer	(Printed Name)	(Printed Name)
(Signature)	(Signature)	(Signature)
(Date) 8-5-02 (Time) 1705	(Date) (Time)	(Date) (Time)
Received By: (1) (Company)	**Received By: (2) (Company)**	**Received By: (3) (Company)**
ELOT		
(Printed Name) Rolando Tuttle	(Printed Name)	(Printed Name)
(Signature)	(Signature)	(Signature)
(Date) 8-05-02 (Time) 1705	(Date) (Time)	(Date) (Time)

Copy signed original form for Trident Environmental records

CC-14

ANALYTICAL REPORT

Prepared for:

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Project:	Duke Energy Field Services
PO#:	V-106
Order#:	G0204168
Report Date:	08/15/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708
682-0727

Order#: G0204168
Project: V-106
Project Name: Duke Energy Field Services
Location: CC#14

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204168-01	H (7')	SOIL	8/9/02 10:30	8/9/02 15:45	4 oz glass	Ice
	Lab Testing: 8015M, 8021B/5030 BTEX	**Rejected:** No		**Temp:** 4.0 C		
0204168-02	I (4')	SOIL	8/9/02 10:35	8/9/02 15:45	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 4.0 C		
0204168-03	J (2')	SOIL	8/9/02 10:45	8/9/02 15:45	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 4.0 C		
0204168-04	K (9')	SOIL	8/9/02 13:00	8/9/02 15:45	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 4.0 C		
0204168-05	Backfill-1	SOIL	8/9/02 11:55	8/9/02 15:45	4 oz glass	Ice
	Lab Testing: 8015M	**Rejected:** No		**Temp:** 4.0 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Order#: G0204168
Project: V-106
Project Name: Duke Energy Field Services
Location: CC#14

Lab ID: 0204168-01
Sample ID: H (7')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/15/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**100**	10.0
DRO, >C12-C35	**941**	10.0
TOTAL, C6-C35	**1,041**	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002771-02		8/10/02 21:25	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Ethylbenzene	**0.060**	0.025
Toluene	**<0.025**	0.025
p/m-Xylene	**0.270**	0.025
o-Xylene	**0.078**	0.025

Lab ID: 0204168-02
Sample ID: I (4')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/15/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Order#: G0204168
Project: V-106
Project Name: Duke Energy Field Services
Location: CC#14

Lab ID: 0204168-03
Sample ID: J (2')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/15/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Lab ID: 0204168-04
Sample ID: K (9')

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/15/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

GILBERT VAN DEVENTER
TRIDENT ENVIRONMENTAL
P.O. BOX 7624
MIDLAND, TX 79708

Order#:	**G0204168**
Project:	**V-106**
Project Name:	**Duke Energy Field Services**
Location:	**CC#14**

Lab ID: 0204168-05
Sample ID: Backfill-1

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/15/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**<10.0**	10.0
DRO, >C12-C35	**<10.0**	10.0
TOTAL, C6-C35	**<10.0**	10.0

Approval: Raland K Tuttle 8-15-02
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204168

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002819-02			<10.0		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204168-04	0	909	1160	127.6%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204168-04	0	909	1160	127.6%	0.%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0002819-05		1000	1050	105.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204168

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0002771-02			<0.025		
Ethylbenzene-mg/kg	0002771-02			<0.025		
Toluene-mg/kg	0002771-02			<0.025		
p/m-Xylene-mg/kg	0002771-02			<0.025		
o-Xylene-mg/kg	0002771-02			<0.025		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0204163-03	0	0.1	0.089	89.%	
Ethylbenzene-mg/kg	0204163-03	0	0.1	0.094	94.%	
Toluene-mg/kg	0204163-03	0	0.1	0.092	92.%	
p/m-Xylene-mg/kg	0204163-03	0	0.2	0.194	97.%	
o-Xylene-mg/kg	0204163-03	0	0.1	0.094	94.%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0204163-03	0	0.1	0.100	100.%	11.6%
Ethylbenzene-mg/kg	0204163-03	0	0.1	0.107	107.%	12.9%
Toluene-mg/kg	0204163-03	0	0.1	0.104	104.%	12.2%
p/m-Xylene-mg/kg	0204163-03	0	0.2	0.219	109.5%	12.1%
o-Xylene-mg/kg	0204163-03	0	0.1	0.105	105.%	11.1%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0002771-05		0.1	0.093	93.%	
Ethylbenzene-mg/kg	0002771-05		0.1	0.099	99.%	
Toluene-mg/kg	0002771-05		0.1	0.098	98.%	
p/m-Xylene-mg/kg	0002771-05		0.2	0.206	103.%	
o-Xylene-mg/kg	0002771-05		0.1	0.100	100.%	

TRIDENT ENVIRONMENTAL

Trident Environmental
P.O. Box 7624
Midland, Texas 79708
(915) 682-0808
(915) 682-0727 (Fax)

V-106-CC14-03

Chain of Custody

Date 8-9-02 Page 1 of 1

204168

Lab Name: Environmental Lab of Texas, Inc.
Address: 12600 West I-20 East
Odessa, TX 79763
Telephone: (915) 563-1800 Fax: (915) 563-1713

Samplers (SIGNATURES): Gil Van Deventer

	Sample Identification	Matrix	Date	Time	Sample Type: G - Grab, C- Composite	BTEX (EPA 8021B)	MTBE (EPA 8021B)	SVOC (EPA 8270)	PAH (EPA 8270)	VOC (EPA 8260)	TPH (EPA 418.1)	TPH (TX-1005)	TPH (TX-1006)	GRO (EPA 8015G)	DRO (EPA 8015D)	TDS (EPA 160.1)	Anions/Cations	Total Metals	TCLP Metals	Number of Containers
01	H (7')	Soil	8-9-02	1030	G	✓								✓	✓					1
02	I (4')	Soil	8-9-02	1035	G									✓	✓					1
03	J (2')	Soil	8-9-02	1045	G									✓	✓					1
04	K (9')	Soil	8-9-02	1300	G									✓	✓					1
05	Backfill-1	Soil	8-9-02	1155	C									✓	✓					1

Project Information

Project Name:	Duke Energy Field Services
Project Location:	CC#14
Project Manager:	Gil Van Deventer
Cost Center No.:	V-106
Shipping ID No.:	
Bill to (see below):	Duke Energy Field Services
Special Instructions:	Attn: Steve Weathers POBox 5493 Denver, CO 80217

Sample Receipt

Total Containers:	
COC Seals:	
Rec'd Good Cond/Cold:	4,0°
Conforms to Records:	✓
Lab No.:	

Relinquished By: (1) (Company)	Relinquished By: (2) (Company)	Relinquished By: (3) (Company)
Trident Environmental	(Printed Name)	(Printed Name)
(Printed Name) Gil Van Deventer	(Signature)	(Signature)
(Signature) Gil Van Deventer	(Date) (Time)	(Date) (Time)
(Date) 8-9-02 (Time) 1545		
Received By: (1) (Company)	**Received By: (2) (Company)**	**Received By: (3) (Company)**
Env. Lab of Tx.	(Printed Name)	(Printed Name)
(Printed Name) Jeanne McMurrey	(Signature)	(Signature)
(Signature) Jeanne McMurrey	(Date) (Time)	(Date) (Time)
(Date) 08-09-02 (Time) 1545		

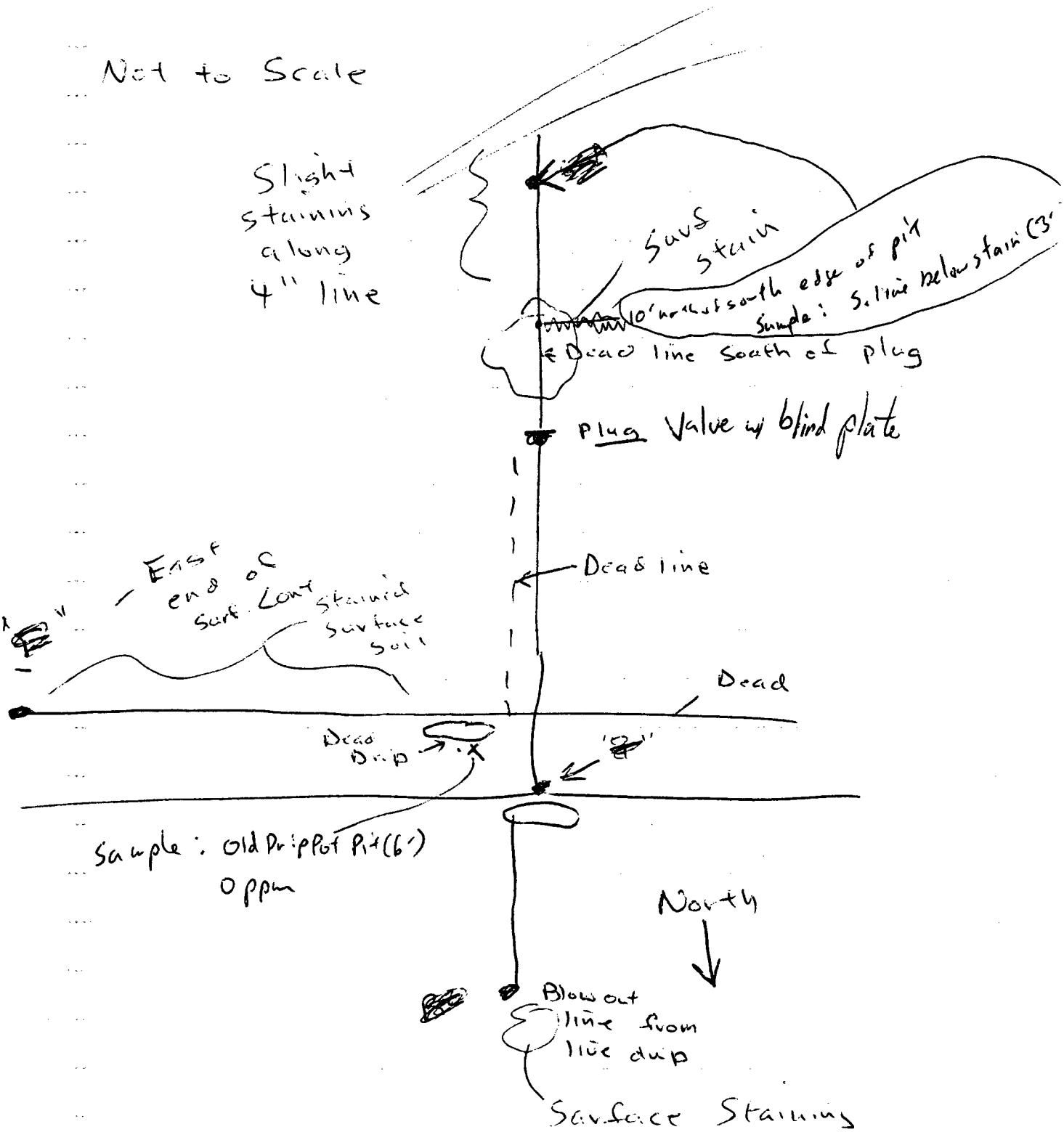
Copy signed original form for Trident Environmental records

ATTACHMENT C

FIELD BOOK NOTES

7/31/02

CC # 14


Not to Scale
Slight staining along 4" line
Sand stain
10' north of south edge of pit
Sample: 5. line below stain (3'
Dead line South of plug
Plug Valve w/ blind plate
Dead line
East end of Surf. Cont. stained surface soil
Dead
Dead Drip
"3'
Sample: Old Drip Pot Pit (6')
0 ppm
North
Blow out line from line drip
Surface Staining

(1 7/31/02 DTL

1030 (CT) Leave Midland for Clay Cooper # 14 Site

1230 Arrive at Site (well loc just south of site)

Reviewed the site, the only excavation was at the old line drip pot (see map)

Soil Sample taken from base of pit @ 6'

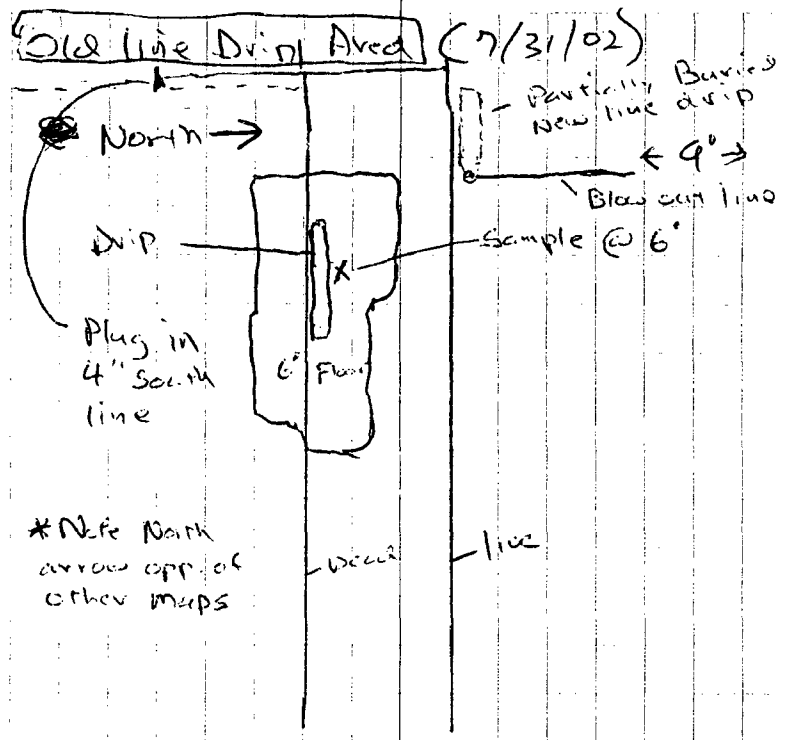
Apparent Surface contamination along old E-W line and along 4" line that extends from live line to south

Soil Sample taken just below a stained layer above 4" line poss. from old 4" line that was cut off

- Walton will remove visible surface stained soil and will call us if it extends below 5 ft.
- Walton cannot dig near the drip pots until Duke disconnects the live line drip pot on Friday (8/2/02)

PID Samples		Results
Old Drip Pot Pit (6')	—	0 ppm
South line below Stain (3')	—	0 ppm

Check Calib. 93 ppm



1[illegible]0 leave Site for Lab

1630 Arrive in Midland 194 mi

* CC #13 Damages

73 loads

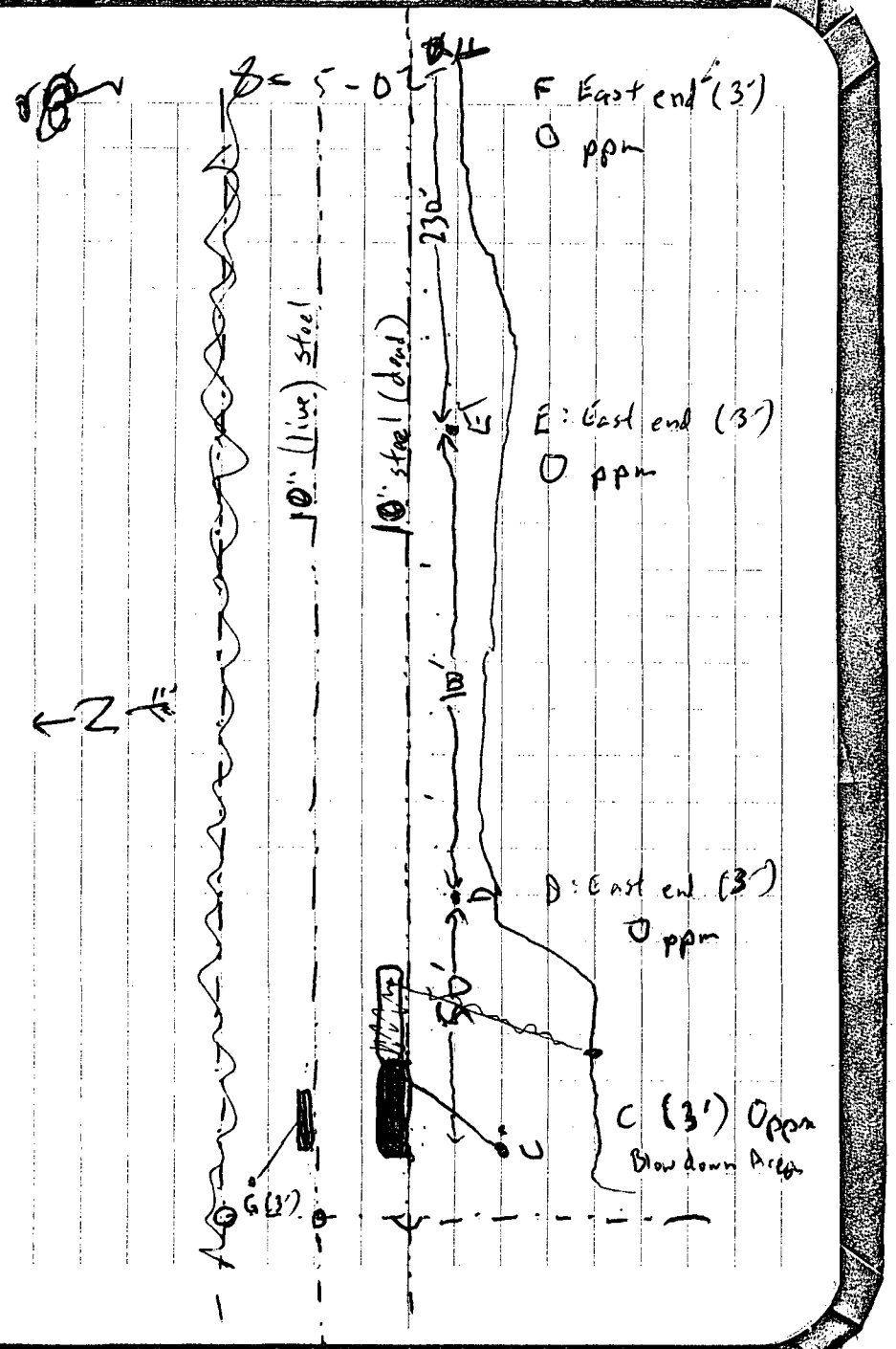
876 yards

8-1-02

Called in to Mike on status. Not much to dig until DEFS ~~replaced~~ removes dirty pit from active line. Should have some contaminated soil dug out & be ready for sampling on Friday afternoon.

8-2-02

Called Mike again for status. Due to heavy rain & thunderstorms Thurs night / Fri morn. All work was cancelled for today including DEFS work. Will plan on being at site ~ 12:30pm Monday (MST) for sampling.



8-5-02 CC#14

Collected sample from stockpile of contaminated soil

Sample ID	Time	OVM
C		0
D		0
E		0
F		0
G		0
Exc-Soil-1		114

Notified Larry Johnson of next sampling event for 9:00am Friday

8-9-02 CC#14

0800 1000 Drive to Site

1000 meet with Walton Crew. Drip pot from live 10" steel line has been removed & line capped. Some concern about integrity of bottom of live 10" line due to corrosion of remaining fitting that was capped with a 2" plug & a "possum fitting"

Collected sample H(7') directly beneath drip pot of active 10" steel line. (1030)

Collected sample I(4') ~~below~~ at stained area beneath 4" line located 20' south of 10" inactive line. (1035)

Collected sample J(2') at end of excavated area along 4" line that was removed. (1045)

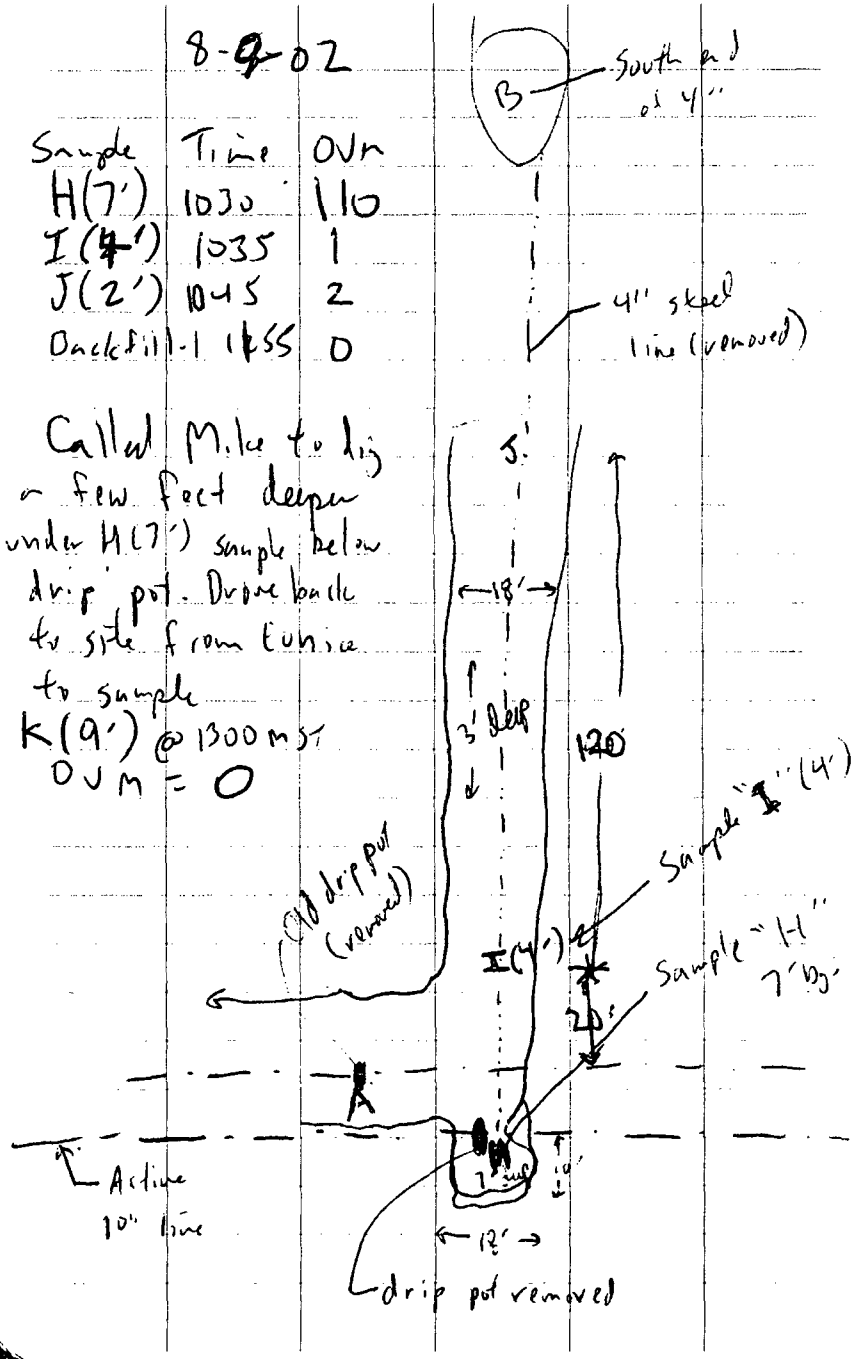
Collected backfill sample (Composite) from all backfill stockpiles & east end of line that is currently being backfilled.

Larry Johnson (Hobbs-OCD) on site to witness all sampling.

8-9-02

Sample	Time	OVM
H(7')	1030	110
I(4')	1035	1
J(2')	1045	2
Backfill-1	1455	0

Called Mike to dig a few feet deeper under H(7') sample below drip pot. Drove back to site from tunnel to sample K(9') @ 1300 MST OVM = 0



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8/29/02

	loads	yards
8/1	10	120
8/2	4	48
8/6	11	132
8/7	30	360
8/8	33	396
8/9	16	192
8/21	3	36
	107	1284 yd³