

**Clay Cooper #2 Closure Report
Duke Energy Field Services
Lea County, New Mexico**

IRP-212
10.25.05

AUGUST 31, 2001

Prepared For:

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

Site Name:

CLAY COOPER #2 (CC#2)

Site Location:

T20S, R36 E, SECTION 24, UNIT O

Prepared By:



**PO Box 7624
Midland, Texas 79708**



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

November 16, 2001

Lori Wrotenbery

Director

Oil Conservation Division

Duke Energy Field Services

Attn: Stephen Weathers

POB 5493

Denver, CO 80217

Re: Spill Site Closure Approval for Duke Energy Field Services,LP (DEFS)

Clay Cooper sites #2, #3, #4 and #5.

Site Location(s): UL-O, Sec 24-T20S-R36E (#2, #3 and #4) and UL-J, Sec 24-T20S-R36E (#5)

Submitted: November 13, 2001

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

Clay Cooper #6, Jimmy Cooper #3 and J-4-2 are on hold pending further examination.

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 feel free to write or call me at (505) 393-6161, x113 or email psheeley@state.nm.us

Sincerely,

Paul Sheeley-Environmental Engineer

Cc: Roger Anderson - Environmental Bureau Chief

Chris Williams - District I Supervisor

Bill Olson - Hydrologist

Larry Johnson - Environmental Engr.

Mr. Gilbert J. Van Deventer -Trident Environmental



August 31, 2001

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

Re: Removal of Hydrocarbon-Impacted Soils from the CC#2 site
Township 20 South, Range 36 East, Section 24, Unit O



Dear Mr. Weathers:

TRW Inc. – Energy & Environmental Integration Services (TRW) 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 #2) is located in Section 24 (Unit O), Township 20 South, Range 36 East on property owned by Dale Cooper and managed by Clay Cooper. The work was conducted in accordance with the work plan submitted to the New Mexico Oil Conservation Division (OCD). TRW 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, and one loader for earthmoving services. An area was excavated where Mr. Cooper identified indications of hydrocarbon-impacted soils. 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 TRW with stainless steel trowels. Floor samples were collected as a composite sample consisting of five aliquots. Composite samples consisting of a minimum of three aliquots were also collected from each wall (north, south, east, and west), unless noted otherwise. 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 not conducted since none of soil samples exceeded 100 ppm using the calibrated OVM.

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.

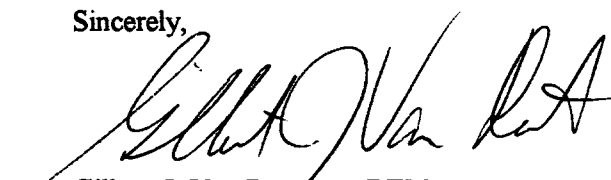
Hydrocarbon-impacted soils were transported by local hauling contractors (Walton Construction) to the South Monument Landfarm, owned and operated by Ms. Kena Kay Cooper (OCD Rule 711 Permit Approval NM-01-0032). Completed *Request for Approval to Accept Solid Waste* form (C-138), *Generator Certificate of Waste Status* form (C-143), and *Release Notification and Corrective Action* forms (C-141) are 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 and site features are depicted on the site data form in Attachment A. Copies of the field logbook are also in Attachment A. A summary of the analytical results is provided on the Site Data Form with photo documentation in Attachment B. Laboratory analytical reports, and chain-of-custody documentation for the samples collected are provided in Attachment C.

Sincerely,



Gilbert J. Van Deventer, REM
Project Manager

Attachments

cc: Clay Cooper, landowner – Hobbs, NM

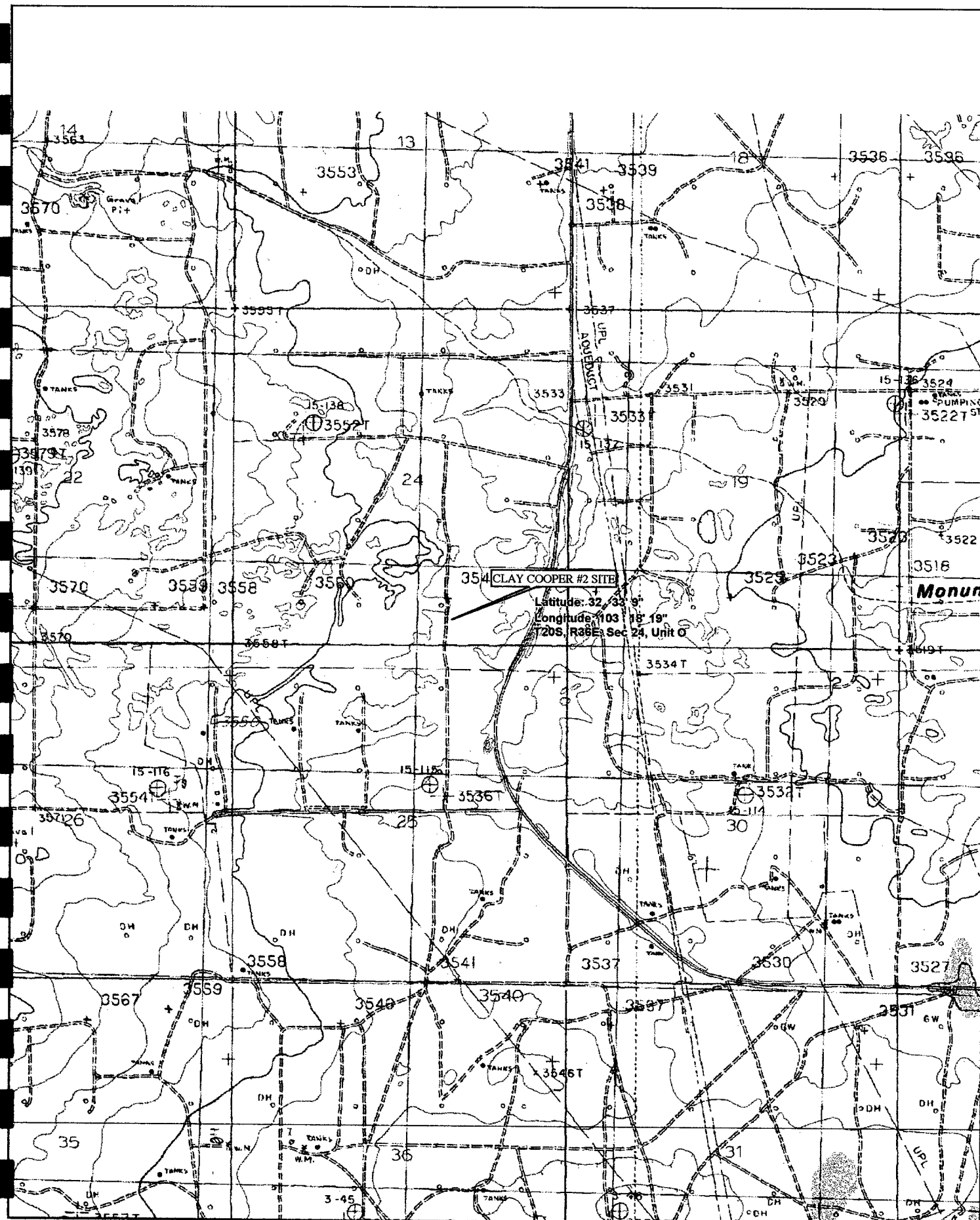
ATTACHMENT A

TOPOGRAPHIC MAP

SITE DATA FORM

C-138, C-141, AND C-143 FORMS

PHOTODOCUMENTATION





Site Data Form

TRW Technician: JMF Excavation Crew Names: Walton Construction Site ID: Clay Cooper # 2
Site Location: Latitude 32° 33' 9" N Longitude 103° 18' 19" W County: Lea State: New Mexico
Township 20 South Range 36 East Section 24 Unit O
Begin Excavation (Date/Time) 02/21/01 Complete Excavation (Date/Time) 3/7/01

LAND USE: ☐ Residential ☐ Recreational ☐ Farm land
(Check all that apply) ☐ Industrial ☐ School/Daycare ☒ Range land
☒ Oil & Gas ☐ Rural ☐ 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 ☐ Gravel ☐ Silt
☐ Caliche ☐ Clay ☒ Other Sandy silty clay at depth

EXCAVATION DIMENSIONS Length 30 feet Width 100 feet Average Depth 12.5 feet Maximum Depth 14 feet

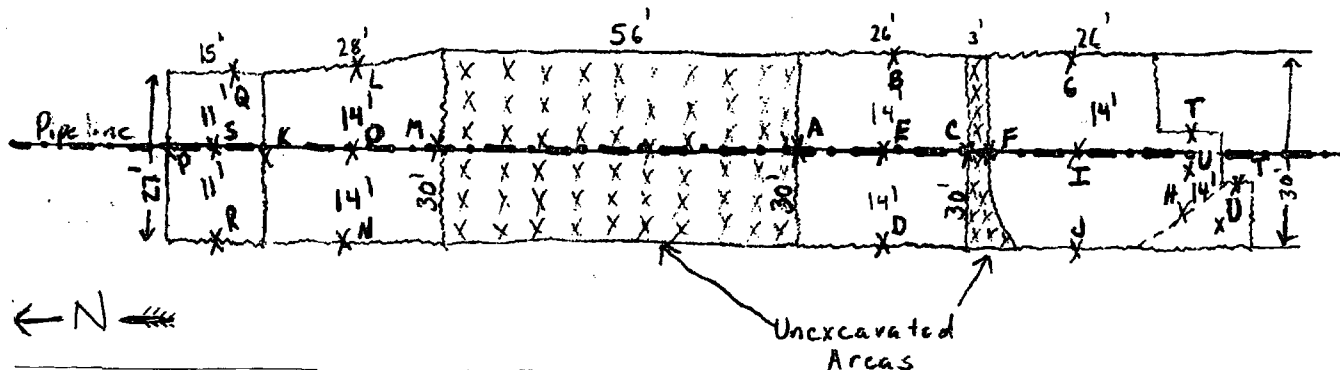
VOLUME EXCAVATED: 3,000 yd³ VOLUME HAULED TO LANDFARM: 3,000 yd³

SITE MAP - SUMMARY OF OVM, GRO, & DRO CONCENTRATIONS

Map Letter	Sample ID	Sample Date	OVM (ppm)	GRO (mg/kg)	DRO (mg/kg)	Map Letter	Sample ID	Sample Date	OVM (ppm)	GRO (mg/kg)	DRO (mg/kg)
A	N. Wall-1	02/27/01	0.0	< 10	< 10	L	E. Wall-3	03/02/01	0.0	< 10	< 10
B	E. Wall-1	02/27/01	0.0	< 10	< 10	M	S. Wall-3	03/02/01	0.0	< 10	< 10
C	S. Wall-1	02/27/01	0.4	< 10	< 10	N	W. Wall-3	03/02/01	0.0	< 10	< 10
D	W. Wall-1	02/27/01	0.0	< 10	< 10	O	Floor-3 (14')	03/02/01	0.0	< 10	< 10
E	Floor-1 (13')	02/27/01	22.2	< 10	< 10	P	N. Wall-4	03/07/01	0.0	< 10	< 10
F	N. Wall-2	02/27/01	0.0	< 10	< 10	Q	E. Wall-4	03/07/01	0.0	< 10	< 10
G	E. Wall-2	02/27/01	0.0	< 10	< 10	R	W. Wall-4	03/07/01	0.0	< 10	< 10
H	S. Wall-2	02/27/01	0.0	< 10	< 10	S	Floor-4 (11')	03/07/01	0.0	< 10	< 10
I	Floor-2 (13')	02/27/01	0.0	< 10	< 10	T	E. Wall-5	03/07/01	2.8	< 10	< 10
J	W. Wall-2	02/27/01	0.0	< 10	< 10	U	Floor-5 (14')	03/07/01	0.0	< 10	< 10
K	N. Wall-3	03/02/01	0.0	< 10	< 10		Exc. Soil	02/27/01	31.9	25	328

Samples analyzed for gas range organics (GRO) and diesel range organics (DRO)
by Environmental Lab of Texas (Odessa, TX) using EPA method 8015M

Organic vapor monitor (OVM) readings obtained using a Thermo Scientific Instrument Inc. Model 580 B



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 Duke Energy Field Services Inc.	Contact Mr. Steve Weathers
Address P. O. Box 5493, Denver, Colorado 80217	Telephone No. (303) 605-1718
Facility Name Site Name: CC #2	Facility Type Natural Gas Pipeline

Surface Owner Dale Cooper	Mineral Owner Unknown	Lease No. EMSU
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LOCATION OF RELEASE

Unit Letter O	Section 24	Township 20S	Range 36E	Feet from the North/South Line 32° 33' 9" N	Feet from the East/West Line 103° 18' 19" W	County Lea
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NATURE OF RELEASE

Type of Release Condensate	Volume of Release Unknown	Volume Recovered ~3,000 yd ³ soil removed
Source of Release Pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Donna Williams, NMOCD District 1	
By Whom? Steve Weathers	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

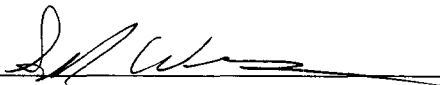
Historical condensate release caused by subsurface external corrosion. Pipeline replaced with 6" plastic line inserted into original 10" steel pipeline prior to initiation of over-excavation work. Removal of impacted soil requested by landowner (Clay Cooper).

Describe Area Affected and Cleanup Action Taken.*

On 2/21/01 over-excavation was initiated. Excavation continued until 3/7/01 when total petroleum hydrocarbons on floor and walls were below 100 mg/kg. Final excavation dimensions were approx. 30 ft wide x 100 long x 14 ft deep. Approximately 3,000 cu yds of soil was transported to cells C-1 and C-3 at the South Monument Landfarm. Backfilling of excavation was completed on 3/12/01. 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.

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:	
Printed Name: Stephen Weathers		
Title: Environmental Specialist	Approval Date:	Expiration Date:
Date: 11/2/01 Phone: (303) 605-1718	Conditions of Approval:	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

Hobbs, NM 88240
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131
2040 S. Pacheco
Santa Fe, NM 87505

Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Submit to OCI
Permitted Surface
Waste Management
Facility

GENERATOR CERTIFICATE OF WASTE STATUS

1. Waste Generator Name and Address:

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

2. Permit Number (if waste generated at an OCD permitted facility)

3. Description of Waste and Generating Process:

Hydrocarbon-impacted soil from historic pipeline leak

4. Location of Waste (Street address &/or ULSTR):

Sec 24 T20S R36E Unit O

5. Destination (Surface Waste Management Facility):
South Monument Landfarm (Permit NM-01-0032)

6. Transporter: Walton Construction

7. Estimated Volume 1,000 cy/bbls

For NON-EXEMPT waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information☐ RCRA Hazardous Waste Analysis (With Chain of Custody)☐ Other (Description)

Generator certifies that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (check appropriate classification)

☒ EXEMPT oilfield waste.

☐ NON-EXEMPT oilfield waste that is non-hazardous
pursuant to 40 CFR Part 261. (Attach appropriate
documentation)

In addition, Generator certifies that nothing has been added to this exempt or non-exempt non-hazardous waste and that this waste does not contain Naturally Occurring Radioactive Material (NORM) regulated pursuant to 20 NMAC 3.1 Subpart 1403.

Generator Signature: Stephen W. WeathersDate: 3/2/01Print Name: Stephen W. WeathersTitle: Environmental Specialist

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>	4. Generator: Duke Energy Field Svcs
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5. Originating Site T20S R36E S24 Unit O
2. Management Facility Destination: South Monument Landfarm (NM-01-0032)	6. Transporter Walton Construction
3. Address of Facility Operator: 834 West Gold, Hobbs, NM 88240	8. State: New Mexico
7. Location of Material (Street Address or ULSR): T20S R36E Sec24 Unit O	
9. Circle One: (A) All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Oilfield exempt waste (hydrocarbon-impacted soil generated from historic leak in natural gas pipeline)

Estimated Volume 1000 cy Known Volume (to be entered by the operator at the end of the haul) 3,000 cy

SIGNATURE Kena Kay Cooper
Waste Management Facility Authorized Agent

TITLE: Operator

DATE: 3/02/01

TYPE OR PRINT NAME: Kena Kay Cooper

TELEPHONE NO. 505-393-3174

APPROVED BY _____	TITLE _____	DATE _____
APPROVED BY _____	TITLE _____	DATE _____



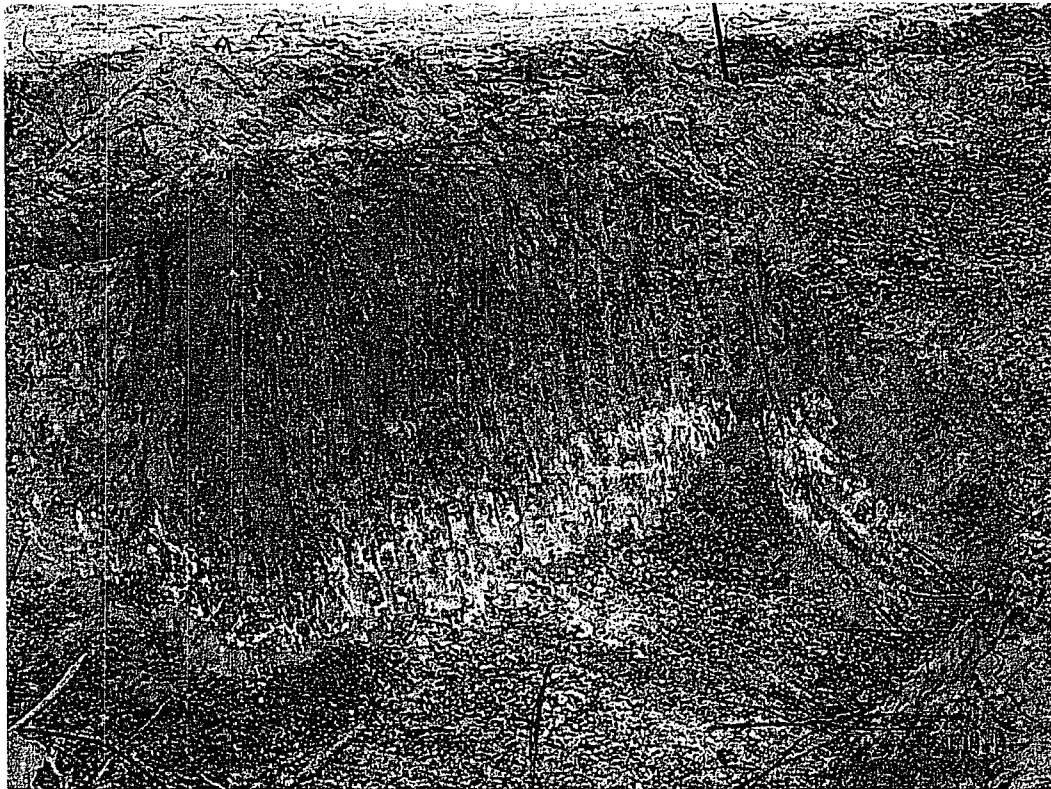
CC#2 - 11

View facing NE showing multiple holes caused by external corrosion along 12" steel pipeline prior to initiation of excavation activities.



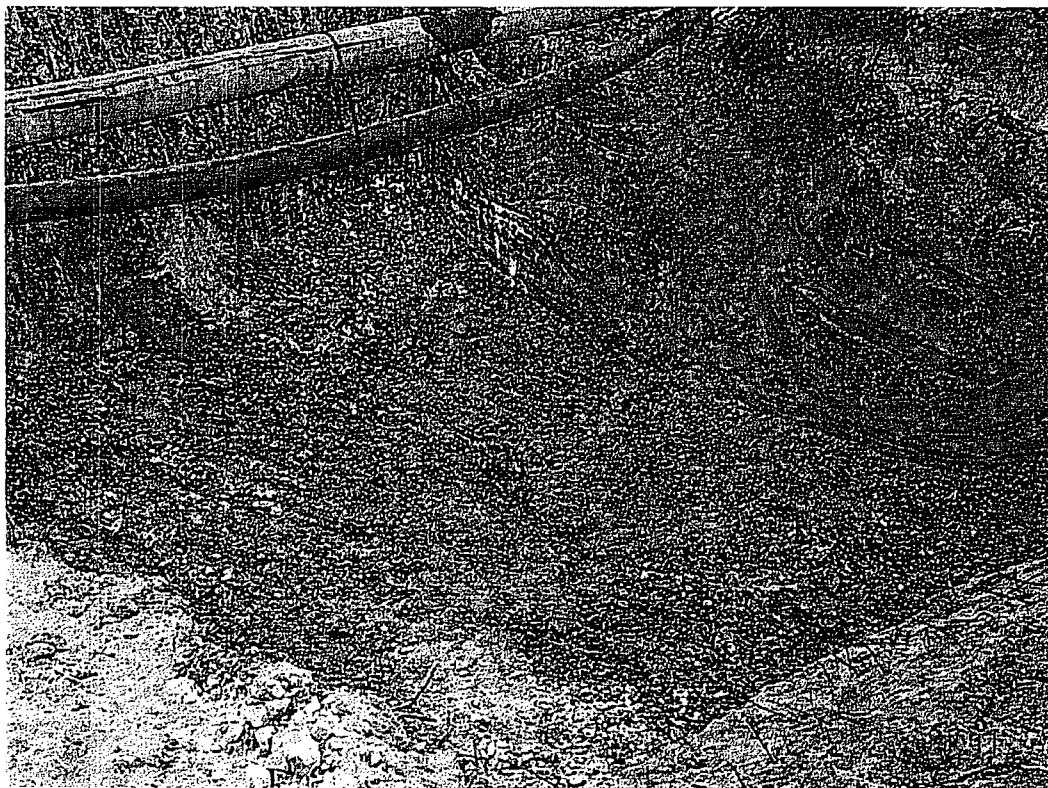
CC#2 - 22

View of excavation showing hydrocarbon-stained soil and collapsed steel pipeline with Drisco pipeline insert.



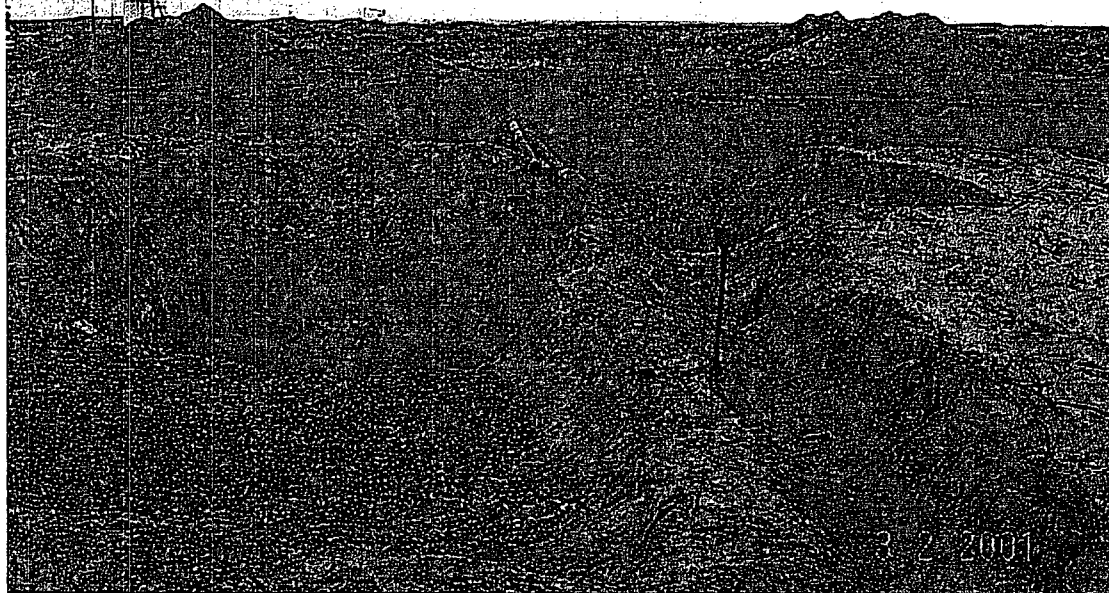
CC2
-33

View of soil to be excavated at north end of northernmost excavation



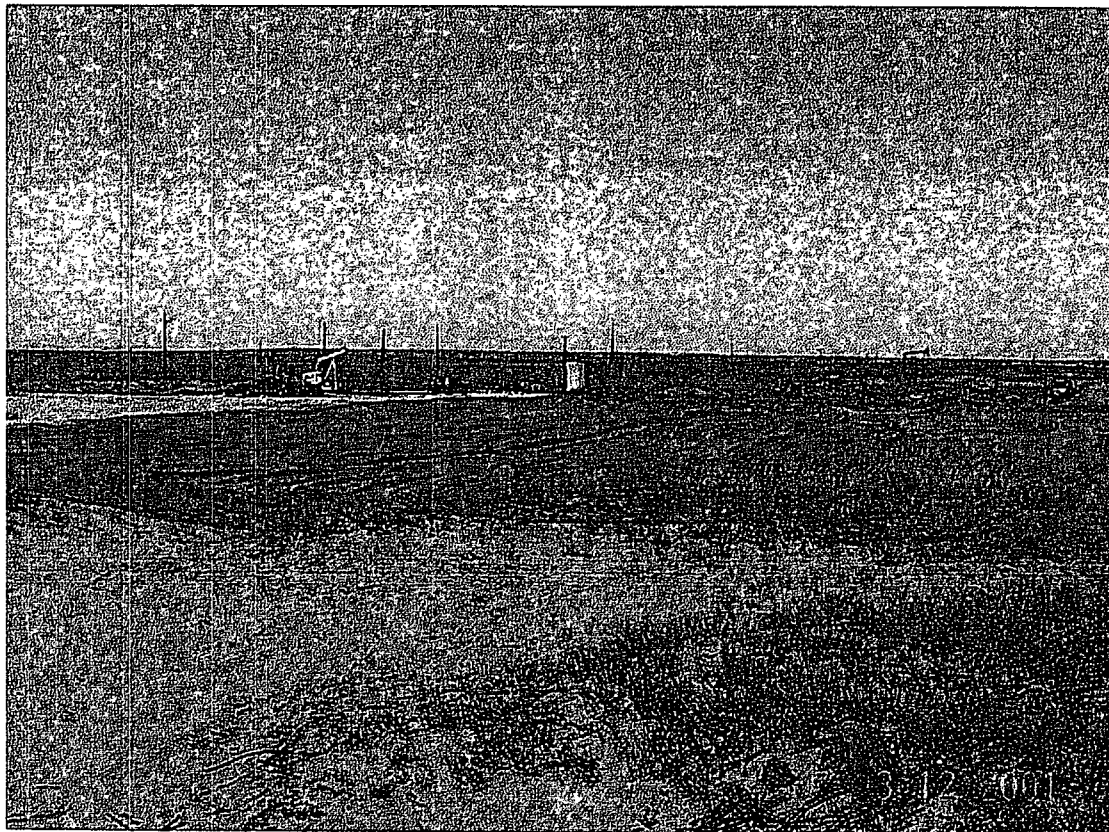
CC2
-31

View facing SE showing south & east walls
and floor of excavation along north-middle portion



CC2
-40

View facing NE showing floor and north & east walls of northernmost excavation



CC2
-52

View facing northwest showing backfilled CC#2 site

ATTACHMENT B

**LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY DOCUMENTATION**

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

TRW INC.
ATTN: MR. GILBERT VAN DEVENTER
415 WEST WALL ST., STE. 1818
MIDLAND, TEXAS 79701
FAX: 915-682-0028

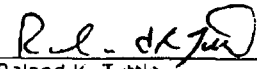
Sample Type: Soil
Sample Condition: Intact/Iced/ -3 deg C
Project #: P/6846/1C
Project Name: Duke Energy Field Services
Project Location: Sec 24, T20S, R36E, Unit O

Sampling Date: 02/27/01
Receiving Date: 02/28/01
Analysis Date: 02/28/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
37769	CC #2 - (Excavated Soil)	25	328

% IA	118	109
%EA	115	105
BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO


Raland K. Tuttle

3-01-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

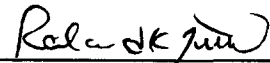
TRW INC.
ATTN: MR. GILBERT VAN DEVENTER
415 WEST WALL ST., STE. 1818
MIDLAND, TEXAS 79701
FAX: 915-682-0028

Sample Type: Soil
Sample Condition: Intact/Iced/ -3 deg C
Project #: P/6846/1C
Project Name: Duke Energy Field Services
Project Location: Sec 24, T20S, R36E, Unit O

Sampling Date: 02/27/01
Receiving Date: 02/28/01
Analysis Date: 02/28/01

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
37760	CC #2-A (N. Wall)	<10	<10
37761	CC #2-B (E. Wall)	<10	<10
37762	CC #2-C (S. Wall)	<10	<10
37763	CC #2-D (W. Wall)	<10	<10
37764	CC #2-E (Floor) 13'	<10	<10
37765	CC #2-F (N. Wall)	<10	<10
37766	CC #2-G (E. Wall)	<10	<10
37767	CC #2-H (S. Wall)	<10	<10
37768	CC #2-I (Floor) 13'	<10	<10
	% IA	111	108
	%EA	117	99
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO


Raland K. Tuttle

3-01-01
Date



Chain of Custody

Date 2/28/01 Page 1 of 1

[illegible]



Chain of Custody

Date 2/28/01 Page 1 of 1

[illegible]

ENVIRONMENTAL LAB OF , Inc.

"Don't Treat Your Soil Like Dirt!"

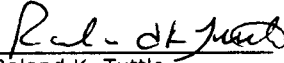
TRW INC.
ATTN: MR. GILBERT VAN DEVENTER
415 WEST WALL ST., STE. 1818
MIDLAND, TEXAS 79701
FAX: 915-682-0028

Sample Type: Soil
Sample Condition: Intact/Iced/ 1 deg C
Project #: P/6846/1C
Project Name: Duke Energy Field Services
Project Location: Sec 24, T20S, R36E, Unit O

Sampling Date: 03/02/01
Receiving Date: 03/02/01
Analysis Date: 03/04/01

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
37863	CC#2-K (N. Wall)	<10	<10
37864	CC#2-L (E. Wall)	<10	<10
37865	CC#2-M (S. Wall)	<10	<10
37866	CC#2-N (W. Wall)	<10	<10
37867	CC#2-O (Floor 14')	<10	<10
% IA		114	107
%EA		119	103
BLANK		<10	<10

Methods: EPA SW 846-8015M GRO/DRO


Raland K. Tuttle

3-5-01
Date



Chain of Custody

Date 3/2/01 Page 1 of 1

[illegible]

Distribution: White, Canary-Laboratory / Pink-TRW

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

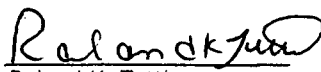
TRW INC.
ATTN: MR. GILBERT VAN DEVENTER
415 WEST WALL ST., STE. 1818
MIDLAND, TEXAS 79701
FAX: 915-682-0028

Sample Type: Soil
Sample Condition: Intact/Iced/ 2.5 deg C
Project #: P/6846/1C
Project Name: Duke Energy Field Services / Clay Cooper Site #2
Project Location: Sec 24, T20S, R36E, Unit O

Sampling Date: 03/07/01
Receiving Date: 03/07/01
Analysis Date: 03/07/01

ELT#	FIELD CODE	GRO	DRO
		C6-C10 mg/kg	>C10-C28 mg/kg
37956	CC#2-P (N. Wall)	<10	<10
37957	CC#2-Q (E. Wall)	<10	<10
37958	CC#2-R (W. Wall)	<10	<10
37959	CC#2-S (Floor 11')	<10	<10
37960	CC#2-T (E. Wall)	<10	<10
37961	CC#2-U (Floor 14')	<10	<10
37962	CC#2-Native Backfill	<10	<10
% IA		115	99
%EA		107	86
BLANK		<10	<10

Methods: EPA SW 846-8015M GRO/DRO


Raland K. Tuttle

3-8-01
Date

ATTACHMENT C

FIELD BOOK NOTES

2-21-01

Tom - 11am

Drove to Cooper (Clay) site & met w/ Ray Rascon (Walton) & then Steve Weathers (DEFS) & Clay Cooper.

Decided to begin next project just north of CC#1. Has stained surface soil where old 12" steel line (with corrosion & clamps) was inserted w/ 6" & 8" Drisco pipe. Looks like it could be two separate areas but Steve said to call it one.

Took photos facing south north showing complete section to be excavated & one photo of ~~cor~~ severely corroded pipeline with 6" (1977) Drisco insert.

Plan per Ray is to move some of the small dunes on east side of pipe line to clear area. No

trackhoe available until Friday morning at earliest so Ray will work with backhoe and dig ~ 2' wide along east side of line. Ray said he'd call when he needed TRW to sample

TH

2/22/01

1235 Arrive @ Project Location (CC#2)

* No one @ site upon arrival

Walton Equipment:

- 930 Cat Front End Loader

- 320 B Cat Trachoe

* Believe excavation activity has ceased due to collapse of rusted steel causing putting black poly line in a strain. See photos

1245 Trachoe Operator arrived on location

- Began cleaning west of pipeline. East of pipeline already excavated out

* Talked to Ray (Walton). He will get some sort of brace to hold pipeline back in place thru the weekend.

2/27/01

0900 Left Midland for CC#2 site
 - Stopped for fuel + field Supplies
 1100 Arrive @ Project Location
 Objective: Oversight of excavation activity + collect soil samples
 Equipment: PPE, Deton, OVM, Soil Samples Equipment
 Weather: Cloudy + Overcast, Cool Temp
 25-35°F, Mild-Med Winds
 Personnel: John Ferguson - TRW
 1- Tractor Operator - Walton
 1- Loader Operator - Walton
 Walton Equipment
 1- Tractor
 1- Loader

Sample Location	Descr	Letter	Depth	Time	PID
N.W. Wall	Comp	A	—	—	0.0
E.W. Wall	"	B	—	—	0.0
S.W. Wall	"	C	—	—	0.4
W. Wall	"	D	—	—	0.0
E Floor	"	E	13.0'	22.2	0.0
N.W. Wall	"	F	—	—	0.0
E.W. Wall	"	G	—	—	0.0
S.W. Wall	"	H	—	—	0.0
W Floor	"	I	13.0'	—	0.0

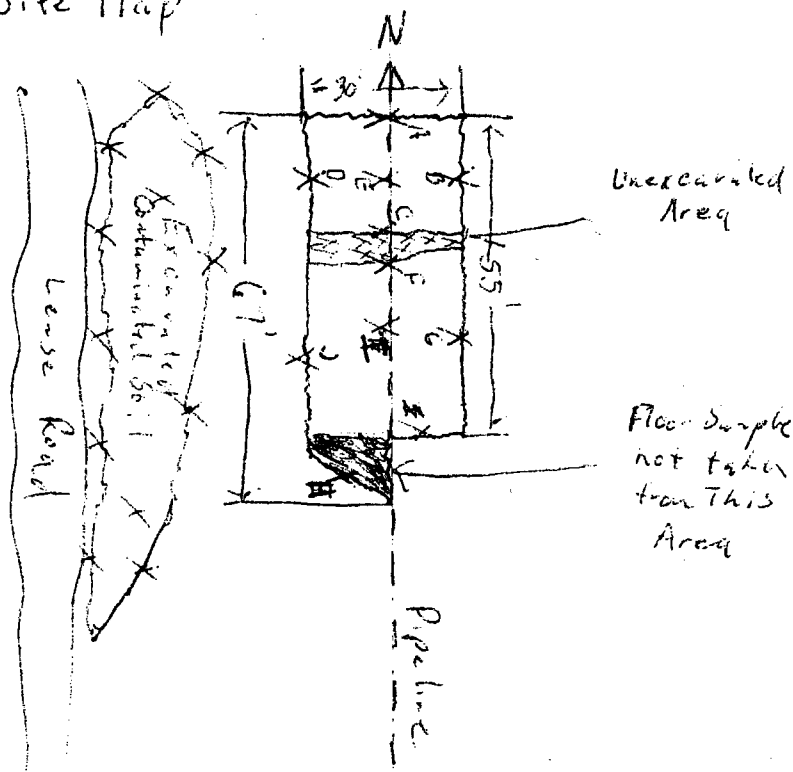
JMF

2/27/01

Sample Location	Descr	Letter	Depth	Time	PID
Excavated Soil Pile	Comp	—	—	—	31.9
W. Wall	Comp	J	—	—	0.0

- Had Walton excavate more soil from W Wall before collecting J Sample

Site Map



JMF

2/27/01

Photo Log

0730 - View facing SE of northern most excavations (CC #2)

0731 - View facing down into northern most excavation (CC #2)

0732 - View facing east of excavation just south of northern most excavation

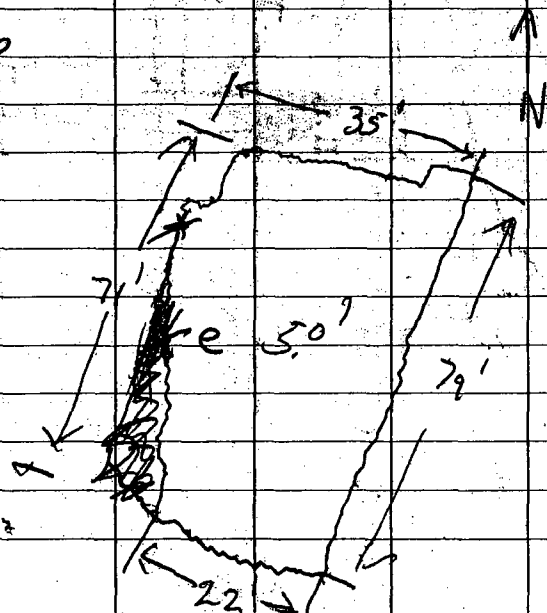
0733 - View facing SE of contaminated wall & unsampled float area

1600 Left CC #2 for JC #3

1605 Arrive @ JC #3

Sample Location	Device	Letter	Depth	Time	PID
W. Wall	Comp	e	-		

Site Map



2/27/01

CC #2 Began Excavating Northern Most Excavation

JC #3 No Activity

3/1/01

CC #2 Continued Excavating Northern Most Excavation

- Hauled 10 loads of 12 yds of Contaminated Soil

JC #3

* Hauled in 8 loads of caliche to redo base road

Began Backfilling excavation south of pipeline

3/2/01

0800 Left Midland for CC#2 Location

- Stopped for fuel + field supplies

1000 Arrive @ Project location

Objective: Collect Soil Samples, Document Excavation Activity

Equipment: PPE, Decon, Soil Sampling Kit, PID (Conn) Measuring Wheel

Weather: Cloudy + Overcast, Raining, Cool (Temp \approx 45°F), Calm - Mild Wind

Personnel: John Ferguson - TRW

- Walton: 2 men @ location upon arrival

Walton Equipment:

- 320 B Tractor (Cat)

- 850 C Dozer (John Peerc)

- 930 Loader (Cat)

Sample Location	Desc	Letter	Depth	Time	PID
N. Wall	Comp	K	-	1240	0.0
E. Wall	Comp	L	-	1250	0.0
S. Wall	Comp	M	-	1300	0.0
W. Wall	Comp	N	-	1310	0.0
Floor 14'	Comp	O	-	1320	0.0

JMF

3/2/01

Site Map

Area To Be Excavated

N
Northern
Edge of CC#2

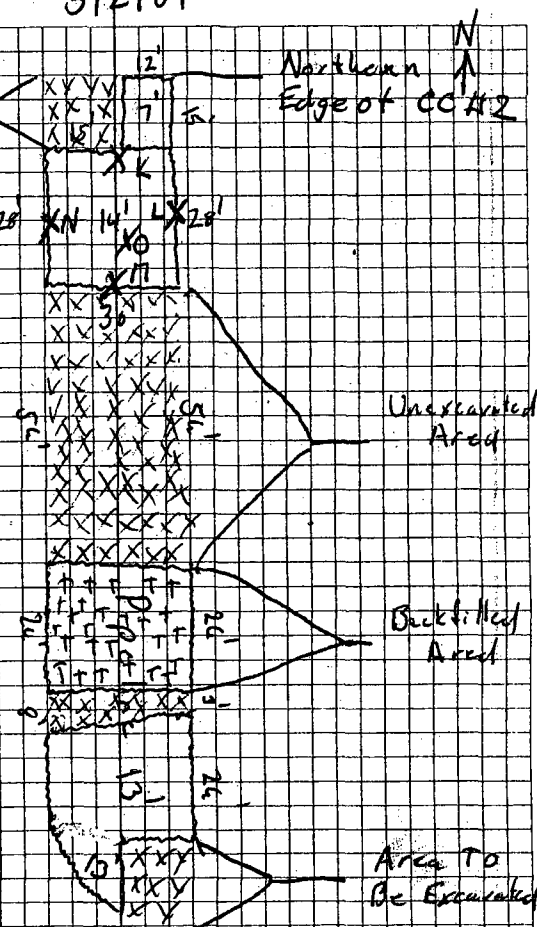


Photo Log

0737 View facing north of all/southernmost excavation in foreground.

0738 View facing NE of southernmost excavation + backfilled area

0734 View facing north of backfilled area

JMF

3/2/01

0739 (cont) and northernmost excavation
in background showing floor and north & east

0740. View facing ^{NE} ~~down~~ ^{walls} into Northernmost
excavation

1500 Left Location for Lab + Midland

1615 Arrive @ Lab

1636 Arrive Midland

* 9 loads of 12 yds of contaminated
soil hauled to landfill

* Total loads = 19 @ 12 yds each

* Contacted Billy Sullivan early this Am.

- Problem with cell phones

- Able to instruct him to get breakdown
on number + size of loads for each
day + total overall

- He informed me they had completed
backfilling southernmost excavation
+ was shutting down for the day

(Time is 0930 MST)

JMF

3/7/01

- 1 0630 Left Midland for CC#2 Site
- Stopped for fuel + field supplies
- 0 0830 Arrive @ location
- Objective: Oversee excavation activity
+ Collect Soil Samples
- Equipment: PPE, Decon, PID, Soil Sample
Kit, Measuring Wheel
- Weather: Sunny - Ptlly Cloudy, Cool (Temp
~ 45°F), Mild-Mod NE Winds
- Personnel: John Ferguson - TRW
- Walton Construction: 6 men Crew
- Walton Equipment

Sample Location	Desc	Letter	Depth	Time	PID
N. Wall	Comp	P	-	0920	0.0
E. Wall	Comp	Q	-	0930	0.0
W. Wall	Comp	R	-	0940	0.0
Floor II	Comp	S	11'	0950	0.0
E. Wall	Comp	T	14'	1035	2.8
Floor	Comp	U	14'	1045	0.0
Native Backfill	Comp	-	-	1055	0.0

JMF

3/8/01

CC#2

- Samples collected on 3/7/01 are
clean. This completes excavation
activity for CC#2
- Order Walton Construction to backfill
excavation
- Walton continued clear + excavating
CC#3.
- Have hauled an additional 84 loads
for a total of 185 loads to
landfarm

CC#3

- No activity due to heavy rain
the night before.
- No trucking report available

3/9/01

CC#2

- Continued excavation hauling of
contaminated soil. An additional
54 loads for a total of 239

CC#3 Continued excavation of site

JMF

2 ←

Clay Cooper Site # 2

