

LF will

OK

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT COPY TO
NATURAL RESOURCE
AND OIL & GAS ADMINISTRATION

DEC

PEP REMEDIATION AND CLOSURE REPORT

APPROVED

Operator: ELM RIDGE RESOURCES Telephone: 326-7099Address: 312 W. LA PLATA STREET, FARMINGTON, NM 87401Facility or Well Name: MARTIN WHITAKER #23Location: Unit or Qtr/Qtr Sec SE/NE Sec 07 T 23N R 4W County BIO ARribaPit Type: Separator ☒ Dehydrator ☐ Other ☐Land Type: ☐Pit Location: Pit dimension: length 20, width 20, depth 10
(Attach diagram)Reference: wellhead ☒, other ☐Footage from reference: ☐Direction from reference: ☐ Degrees ☐ East North ☐
of
☐ West South ☐

Depth To Groundwater: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 points) 0
high water elevation of
groundwater)

Distance to an Ephemeral Stream: Less than 100 feet (10 points)
(Downgradient dry wash greater than Greater than 100 feet (0 points) 0
ten feet in width)

Distance to Nearest Lake, Playa, or Watering Pond: Less than 100 feet (10 points)
(Downgradient lakes, playas and Greater than 100 feet (0 points) 0
livestock or wildlife watering ponds)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or: less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 100 feet (20 points)
(Horizontal distance to perennial 100 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 10
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 9/3/98 Date Completed: 9/3/98

Remediation Method: Excavation X Approx. cubic yards 150 CY

(Check all appropriate sections)

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____

(i.e. landfarmed onsite,

name and location of

offsite facility)

General Description of Remedial Action: REMOVED CONTAMINATED SOIL USING AN EXCAVATOR, SPREAD SOIL ON LOCATION IN SOIL FARM

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Pit Bottom - CENTER

4 BANKS N,S,E,W

Closure Sampling:

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

Sample depth 10'

Sample date 9/3/98

Sample time 9:15 AM

GAS ND PPM

DIE ND PPM

METHOD 8015M

PIA = 1.5 PPM

Sample Results

Soil: Benzene (ppm) N/A Water: Benzene (ppb) N/A

Total BTEX (ppm) N/A Toluene (ppb) N/A

Field Headspace (ppm) 0.5 Ethylbenzene (ppb) N/A

TPH 8015M (ppm) GAS ND PPM Total Xylenes (ppb) N/A

DIE ND PPM

Groundwater Sample: Yes _____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11/25/98 PRINTED NAME SHAWN ADAMS

SIGNATURE Shawn Adams AND TITLE ENV. CONSULTANT

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON) _____

SIGNED: K. C. M... DATE: 11-25-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	MW23
Work Order:	9809012	Client Sample ID:	MW23-400; Pit Floor
Lab ID:	9809012-01A	Matrix:	SOIL
Project:	Pit Remediation	Collection Date:	9/3/98 9:15:00 AM
		COC Record:	6951

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/16/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	9/13/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	MW23
Work Order:	9809012	Client Sample ID:	MW23-401; 4 Wall Comp
Lab ID:	9809012-02A	Matrix:	SOIL
Project:	Pit Remediation	Collection Date:	9/3/98 9:25:00 AM
		COC Record:	6951

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/16/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	9/13/98

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
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	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

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CONTRACT ENVIRONMENTAL

Daily Site Sheet

Client Name: Elm Ridge Resources

Site Name: Martin Whittaker No 23

SE 1/4, NW 1/4, SEC. 7, T 23 N, R 4 W.

Date: 9-3-98

Time Started: 8:00

Time Finished: _____

Pit starting size: 15X15X5

Pit size when finished: 20X20X10

Land farm size: _____

Distance to wash > or < 100': _____

Distance to lake or pond: _____

Distance to private or domestic water source > or < 1000': _____

P.I.D. Readings

North wall: 3.2 PPM

South wall: 2.1 PPM

East wall: 2.8 PPM

West wall: 2.3 PPM

Land farm: _____

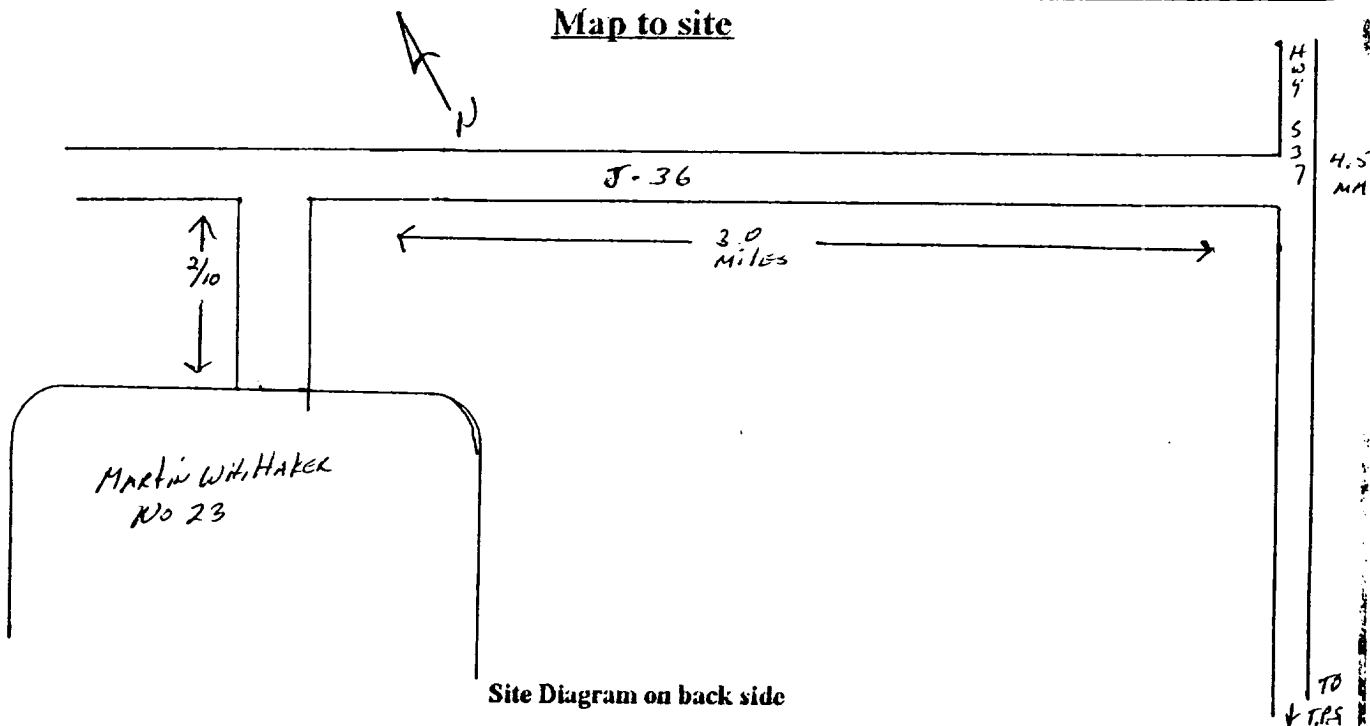
Equipment used: P.S.D. PID Excavator Jim Kirby Linn Wilson

Remarks: Two Samples To Lab MW23-400 P.T Floor 0.5 PPM

MW 23-401 4 wall Comp 1.5 PPM

BANKS KEEP STUFFING OFF.

Map to site



Site Diagram on back side

Site Diagram

Site Name: Motion with Filter No 23

Sample No.

Description

PID, CPM

1) MW 23-400

P.T. Filter

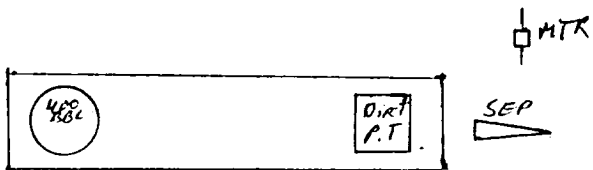
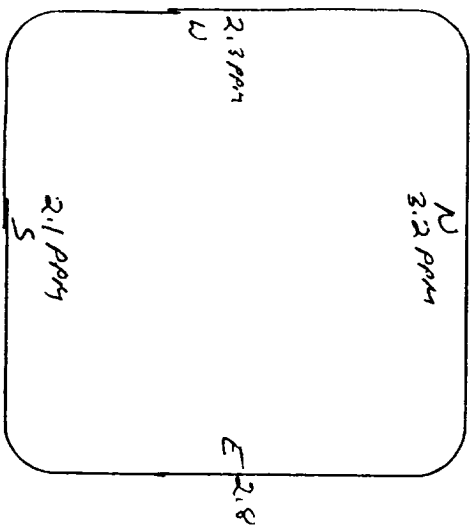
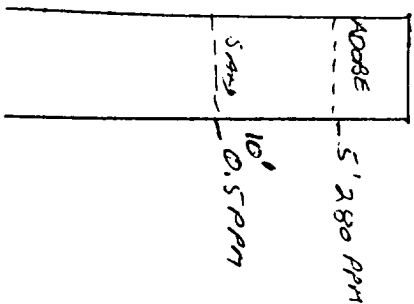
0.5 PPM

2) MW 23-401

40011 Comp

1.5 PPM

VERT
Samples



PUMP JACK

WELL
HEAD





657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

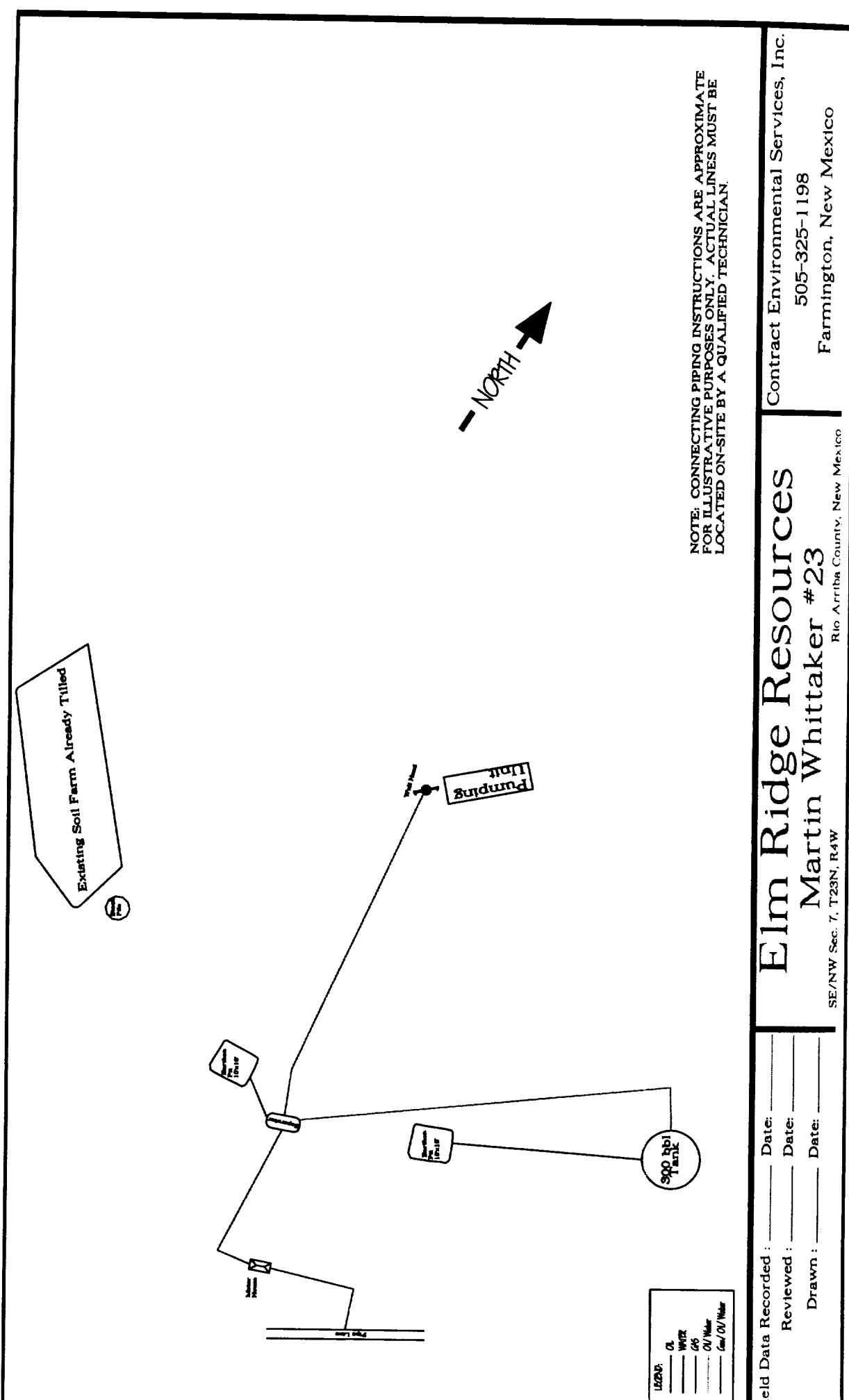
CHAIN OF CUSTODY RECORD

8951

Page 1 of 1

Date: 7/4/79

Purchase Order No.:		Job No.		Name		Title	
SEND INVOICE TO		Name		Company		Mailing Address	
Address		City, State, Zip		Telephone No.		Telefax No.	
Sampling Location: MW23, J		City, State, Zip		Telephone No.		Telefax No.	
Sampler: LEAN YL-SON		ANALYSIS REQUESTED		CONTAINERS		LAB ID	
SAMPLE IDENTIFICATION		SAMPLE DATE		MATRIX		PRES.	
MW23-400 3rd Floor		7/1/79 7:15		Soil		None	
MW23-401 4th Floor		7/1/79 9:25		Soil		None	
MW23-402 1st Floor (100 N. S.)		7/1/79 11:20		Soil		None	
MW23-403 4th Floor (100 N. S.)		7/1/79 11:25		Soil		None	
Relinquished by: [Signature]		Date/Time: 7/4/79 1:20		Received by: [Signature]		Date/Time: 7/4/79 1:20	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Method of Shipment:		Rush		24-48 Hours		10 Working Days	
Authorized by: [Signature]		Date: 7/4/79		Special Instructions:		STO	



Existing Soil Farm Already Tilled

Elm Ridge Resources

Martin Whittaker #23

Contract Environmental Services, Inc.
505-325-1198
Farmington, New Mexico

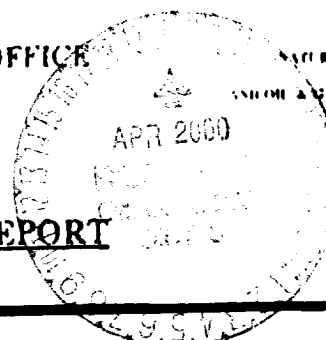
Field Data Recorded : _____ Date: _____
Reviewed : _____ Date: _____
Drawn : _____ Date: _____

Legend:	Oil
	Water
	Gas
	Oil/Water
	Gas/Oil/Water

SE/NW Sec. 7, T23N, R4W
Rio Arriba County, New Mexico

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NATIONAL BUREAU OF GEOLOGY
AND MINERAL ADMINISTRATION



ON-SITE SOIL REMEDIATION REPORT

Operator: Elm Ridge Resources Telephone: (505) 326-7099

Address: 312 W La Plata, Farmington NM 87401

Facility or Well Name: Martin Whittaker #23

Location: Unit or Qtr/Qtr Sec SE/NW Sec 07 T 23N R 4W County Rio Arriba

Land Type: Jicarilla Range

Date Remediation Started: 9-3-98 Date Completed: 8-13-99

Remediation Method: Landfarmed X Approx. cubic yards 185
Composted ---
Other ---

Depth To Groundwater: (pts) 0

Distance to an Ephemeral Stream (pts) 0

Distance to Nearest Lake, Playa, or Watering Pond (pts) 0

Wellhead Protection Area: (pts) 0

Distance To Surface Water: (pts) 10

Final Closure Sampling:

Sampling Date: 8-13-99 Time: 1105

Sample Results:

Field Headspace (ppm) 10.1
TPH (ppm) GRO ND Method 8015

Other ---

RANKING SCORE (TOTAL POINTS): 10

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9-23-99 PRINTED NAME Bill Schaaphok
SIGNATURE Bill Schaaphok AND TITLE Environmental Specialist

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES --- NO --- (REASON) ---

SIGNED: --- DATE: ---

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 20-Aug-99

Client:	Elm Ridge Resources, Inc.	Client Sample Info:	Elm Ridge Resources
Work Order:	9908038	Client Sample ID:	MW #23 Landfarm
Lab ID:	9908038-06A	Matrix:	SOIL
Project:	Elm Ridge Landfarms	Collection Date:	08/13/1999
		COC Record:	10247

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	08/19/1999
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	08/18/1999

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Overview of Landfill and Sampling

1/20'

Location : Martin Whitaker #23

Quad : SE/NW Section : 07

Township : 23N Range : 4W

Pit : Separator

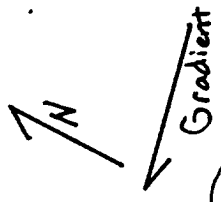
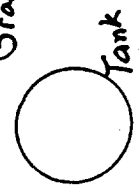
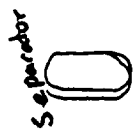
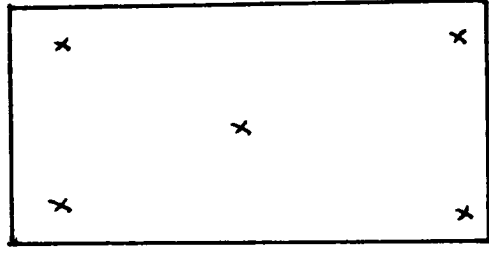
Reference : 75' S 80° W

Size : 100' x 50' x 1'

Yds : 185

1-5 - Point Composite

Sample #	Location	OVM
1	LF1	10.1
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		



Comments : Light brown, sandy loam, damp, no odor or staining

Environmental Specialist :