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OK

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

SUBMIT COPY TO
NATURAL RESOURCES
AND OIL & GAS ADMINISTRATION

DEC - 2 1999

OIL

APPROVED

PIT REMEDIATION AND CLOSURE REPORT

Operator: ELM RIDGE RESOURCES Telephone: 326-7099

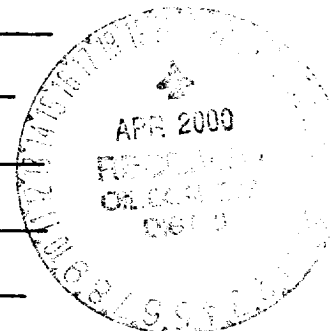
Address: 312 W. LA PLATA STREET, FARMINGTON, NM 87401

Facility or Well Name: MARTIN WHITTAKER #59

Location: Unit or Qtr/Qtr Sec NW/NE Sec 20 T24N R4W County Rio ARIZONA

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: .



Pit Location: Pit dimensions: length 25', width 30', depth 10'
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference:

Direction from reference: Degrees East North
of
 West South

Depth To Groundwater:
(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

Distance to an Ephemeral Stream
(Downgradient dry wash greater than
ten feet in width)

Less than 100 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>10</u>

Distance to Nearest Lake, Playa, or Watering Pond
(Downgradient lakes, playas and
livestock or wildlife watering ponds)

Less than 100 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

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)	<u>0</u>

Distance To Surface Water:
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet	(20 points)	
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 9/23/98 Date Completed: 9/23/98

Remediation Method: Excavation X

Approx. cubic yards 280 CY

(Check all appropriate sections)

Landfarmed X

In situ 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 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'

GAS NO PPM

DIE NO PPM

Sample date 9/23/98

Sample time 11:50 AM

METHAN: 8015 m

PIA = 3.9 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) 5.9

Ethylbenzene (ppb) N/A

TPH 8015 M (ppm) GAS NO PPM

DIE 56 PPM

Total Xylenes (ppb) N/A

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

9/23/98

PRINTED NAME Shawn Adams

SIGNATURE

[Signature]

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: [Signature] DATE: 12-7-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Oct-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Martin Whittaker #59
Work Order:	9809077	Client Sample ID:	MW59-300; Pit Floor
Lab ID:	9809077-01A	Matrix:	SOIL
Project:	Martin Whittaker	Collection Date:	9/23/98 11:50:00 AM
		COC Record:	5218

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	56	25		mg/Kg	1	Analyst: HR 10/5/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	Analyst: DC 10/1/98

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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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Oct-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Martin Whittaker #59
Work Order:	9809077	Client Sample ID:	MW59-301 4 Wall Comp.
Lab ID:	9809077-02A	Matrix:	SOIL
Project:	Martin Whittaker	Collection Date:	9/23/98 11:55:00 AM
		COC Record:	5218

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: HR 10/5/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	Analyst: DC 10/1/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

CONTRACT ENVIRONMENTAL

Daily Site Sheet

Client Name: Eln Ridge

Site Name: Martin Whitaker #59

NW 1/4, NW 1/4, SEC. 20, T 24N, R 4W.

Date: 9-23-98

Time Started: _____

Time Finished: _____

Pit starting size: 20X25X5

Pit size when finished: 25X30X10

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: 2.4

South wall: 3.2

East wall: 5.0

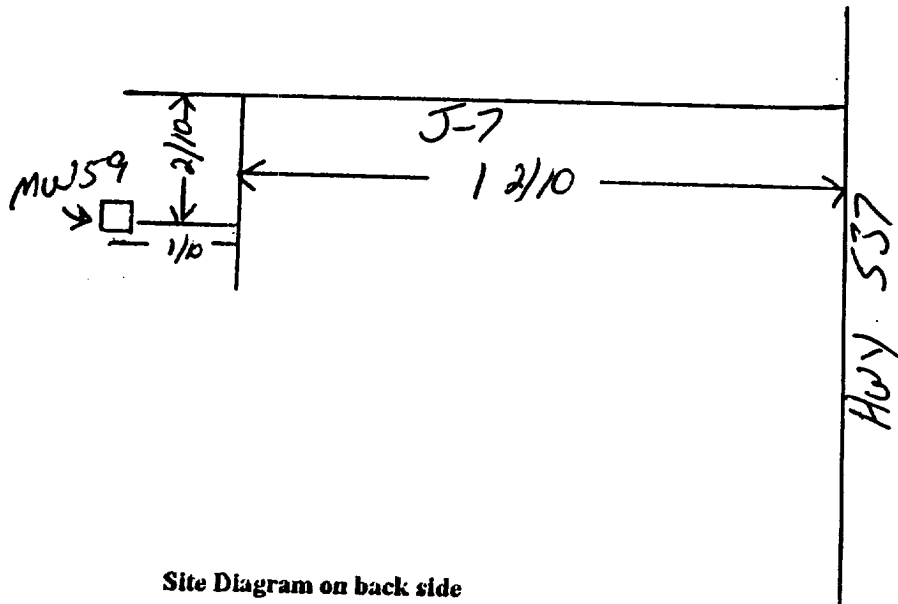
West wall: 2.2

Land farm: _____

Equipment used: Excavator, Loader, P.D.

Remarks: Two samples to Lab. MW59-300 Pit Floor 5.9 PPM,
MW59-301 4 wall sample 3.9 PPM
Equipment on three sides of Pit.

Map to site



Site Diagram on back side

Site Diagram

Sample No.

MUS9-300

Description

8 ft Floor

PID (PPM)

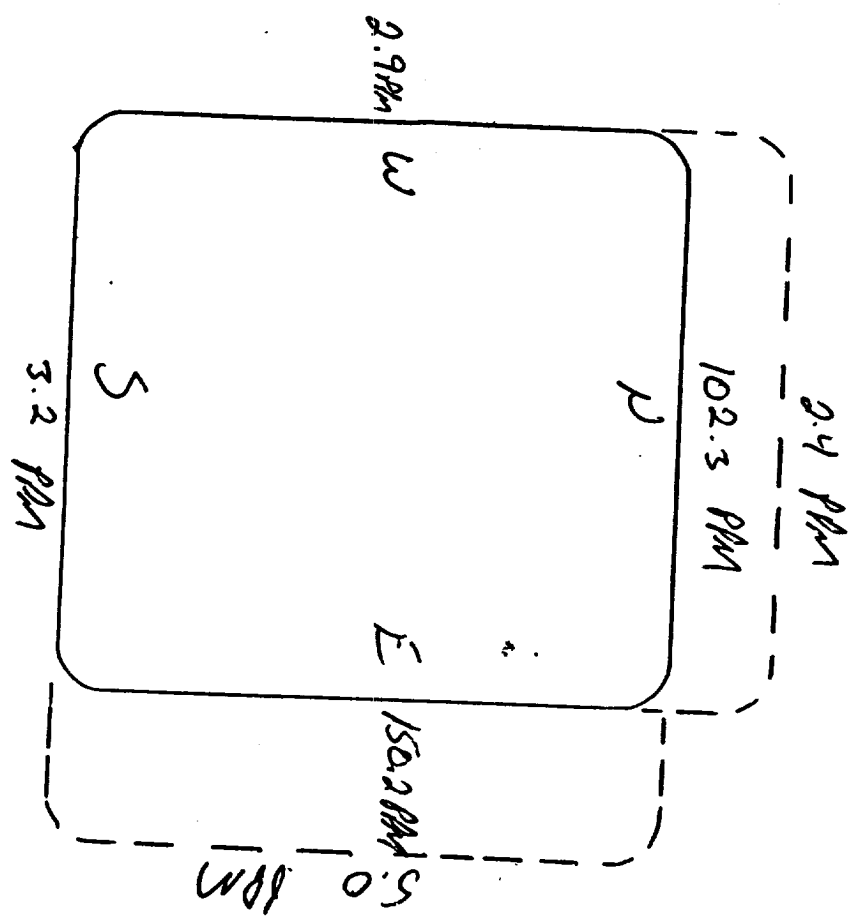
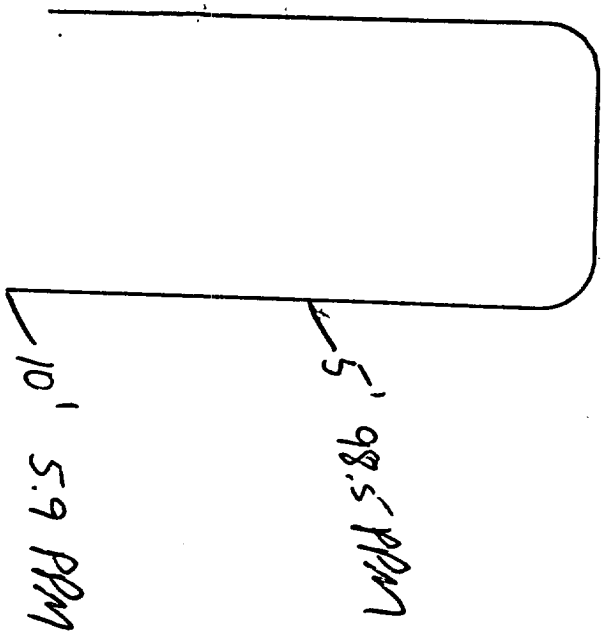
5.9

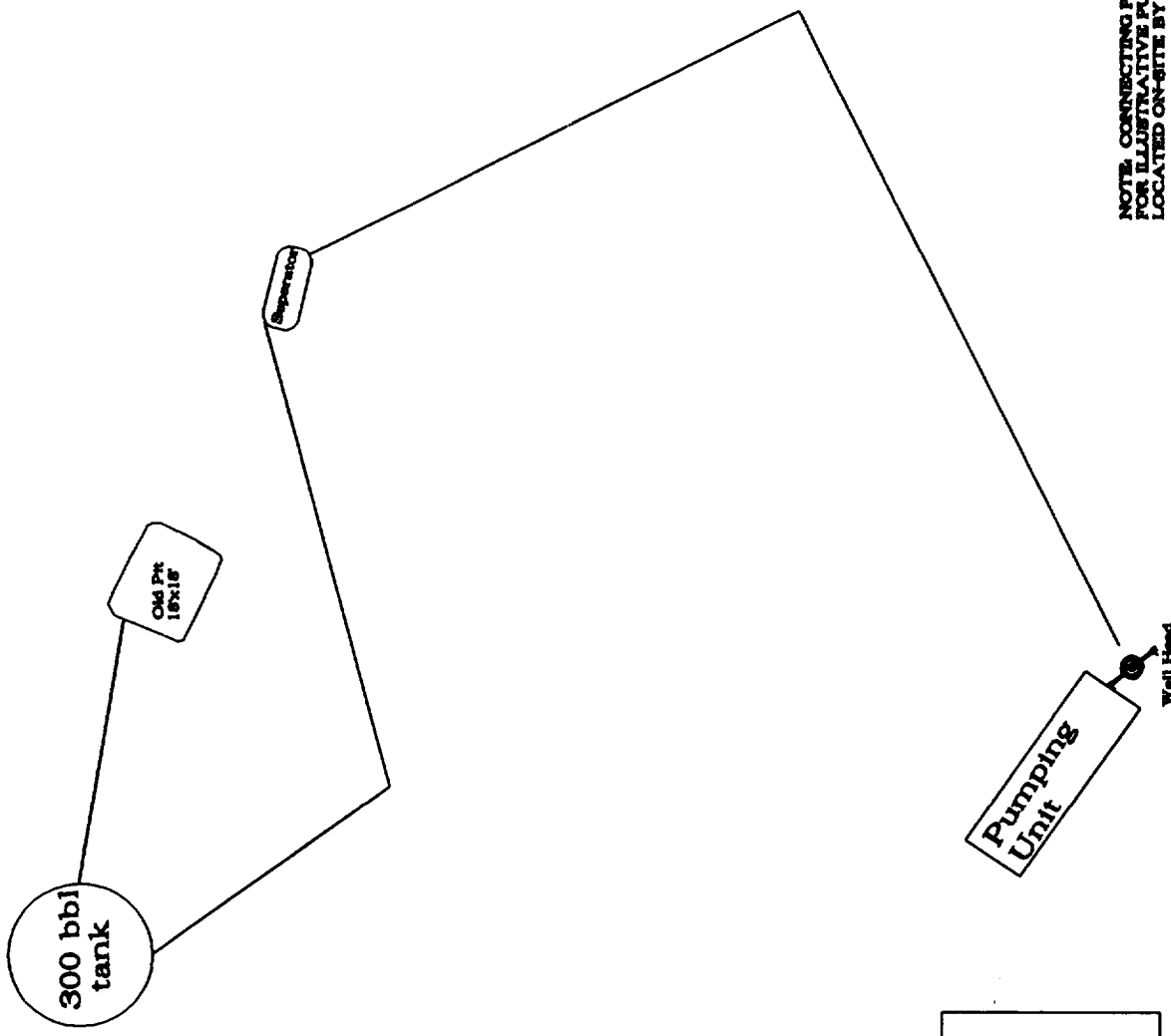
Site Name: Martin Whitaker #59

MUS9-301

4 wall comp

3.9





LEGEND:

_____	OIL
_____	WATER
_____	GAS
_____	OIL/WATER
_____	GAS/OIL/WATER

NOTE: CONNECTING PIPING INSTRUCTIONS ARE APPROXIMATE FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL LINES MUST BE LOCATED ON-SITE BY A QUALIFIED TECHNICIAN.

Field Data Recorded : _____ Date: _____

Reviewed : _____ Date: _____

Drawn : _____ Date: _____

Elm Ridge Resources
Martin Whittaker 59
 NW/NE Sec. 20, T24N, R4W
 Rio Arriba County, NM

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

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

STANDARD COPY 11
NATURAL RESOURCE DEPT.
AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

APPROVED

Operator: ELM RIDGE RESOURCES Telephone: 326-7099
Address: 312 W. LA PLATA STREET, FARMINGTON, NM 87401
Facility or Well Name: MARTIN WHITTAKER #59
Location: Unit or Qtr/Qtr Sec NW/NE Sec 20 T 24N R 4W County BLA ARIZONA
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: ☐

Pit Location: Pit dimensions: length 25', width 30', depth 10'
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: _____
Direction from reference: _____ Degrees _____ East North _____
_____ West South _____

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

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

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

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) 0

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

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 9/23/98 Date Completed: 9/23/98

Remediation Method: Excavation X

Approx. cubic yards 280 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 ON LOCATION IN SOIL FARM

Groundwater Encountered: No X Yes _____ Depth _____

Final Site Closure Sampling: Sample location Pit Bottom - Center

4 BAKS N,S,E,W

(if multiple samples, attach sample results and diagram of sample locations and depths)

GAS NO PPM

DIE NO PPM

METHAN: 8015 m

PIA = 3.9 PPM

Sample depth 10'

Sample date 9/23/98

Sample time 11:50 AM

Sample Results

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) N/A

Total BTEX (ppm) N/A

Toluene (ppb) N/A

Field Headspace (ppm) 5.9

Ethylbenzene (ppb) N/A

TPH 8015 m (ppm) GAS NO PPM

Total Xylenes (ppb) N/A

DIE 36 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 9/23/98 PRINTED NAME Shawn Adams

SIGNATURE [Signature] 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: [Signature] DATE: 12-7-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Sep-99

Client:	Elm Ridge Resources, Inc.	Client Sample Info:	Elm Ridge Landfarms
Work Order:	9909043	Client Sample ID:	MW #59 LF 1-2
Lab ID:	9909043-02A	Matrix:	SOIL
Project:	Elm Ridge Landfarms	Collection Date:	9/13/99 1:30:00 PM
		COC Record:	10260

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/17/99
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	9/16/99

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

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Location : Martin Whittaker # 59

Quad : NW/NW Section : 20

Township : 24N Range : 4W

Pit : Separator

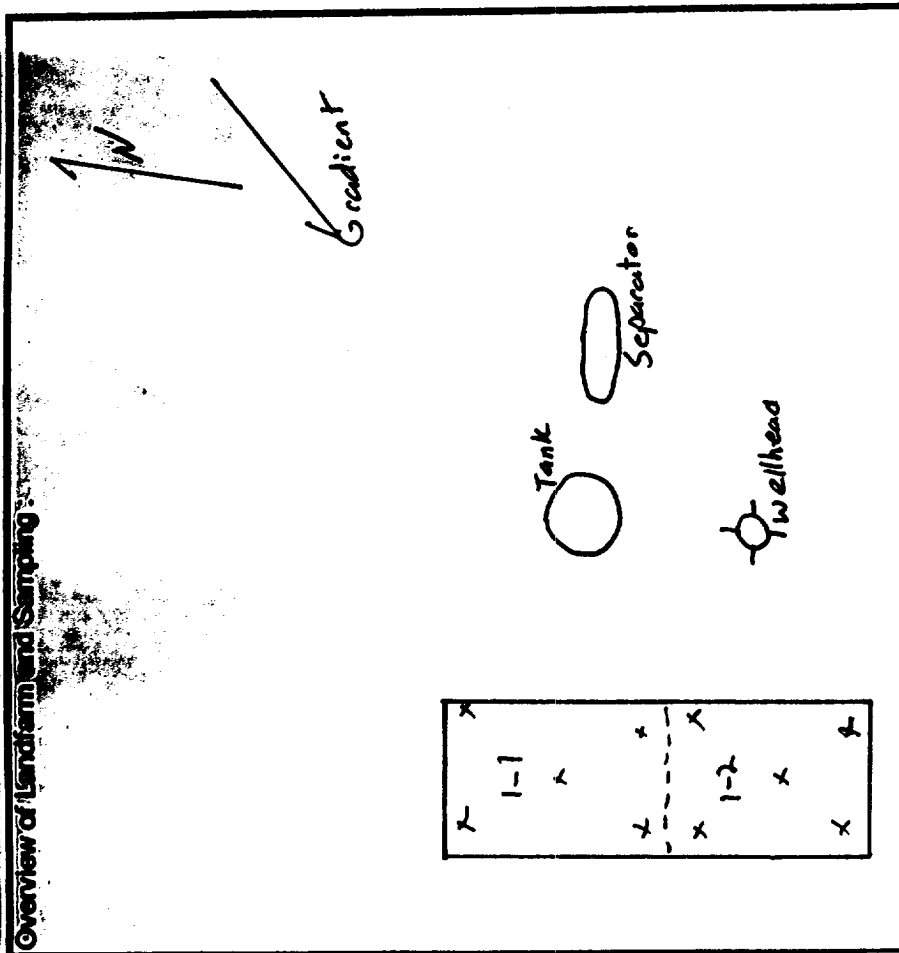
Reference : 135' N 80' W

Size : 150' x 90' x 6"

Yds : 250

2-5 - Point Composite

Sample #	Location	OVM
1	1-1	0.0
2	1-2	0.0
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		



Comments : Sandy loam with sandstone scattered throughout, some vegetation, dump, sample depth 4" to 6"

Environmental Specialist :