

OK -

SUBMIT COPY 1
 NATURAL RESOURCE
 AND OIL & GAS ADMINISTRATION

DEC - 2 1969

APPROVED

Land Type: _____

Direction from reference: _____ Degrees _____ of _____
 _____ West South _____

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 9/9/98 Date Completed: 9/10/98

Remediation Method: Excavation X Approx. cubic yards 400 CY

(Check all appropriate sections)

Landfirmed X

Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____

(i.e. landfirmed 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 22'

GAS ND PPM

DIE ND PPM

METHOD BOISM

PiO = 1.0 PPM

Sample date 9/10/98

Sample time 10:15 A

Sample Results

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) N/A

Total BTEX (ppm) N/A

Toluene (ppb) N/A

Field Headspace (ppm) 3.6

Ethylbenzene (ppb) N/A

TPH BOISM (ppm) GAS ND PPM

Total Xylenes (ppb) N/A

DIE 200 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 12/1/98 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: 12-2-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 25-Sep-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	MW24
Work Order:	9809023	Client Sample ID:	MW24-200 Pit Floor
Lab ID:	9809023-05A	Matrix:	SOIL
Project:	Martin Whittaker	Collection Date:	9/10/98 10:15:00 AM
		COC Record:	5212

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	200	25		mg/Kg	1	9/21/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	9/18/98

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: 25-Sep-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	MW24
Work Order:	9809023	Client Sample ID:	MW24-201 4 Wall Comp.
Lab ID:	9809023-06A	Matrix:	SOIL
Project:	Martin Whittaker	Collection Date:	9/10/98 10:20:00 AM
		COC Record:	5212

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/21/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	9/18/98

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Daily Site Sheet

Site Name: Martin W.H. HAKER No 24

NW 1/4, SE 1/4, SEC. 6, T 23 N, R 4 W.

Date: 7.9.98

Time Started: 11:30

Time Finished: _____

Pit starting size: 15x20x5

Pit size when finished: 19x26x22

Land farm size: _____

Distance to wash > or < 100': _____

Distance to lake or pond: _____

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

North wall: 2.8

South wall: 2.6

East wall: 0.5

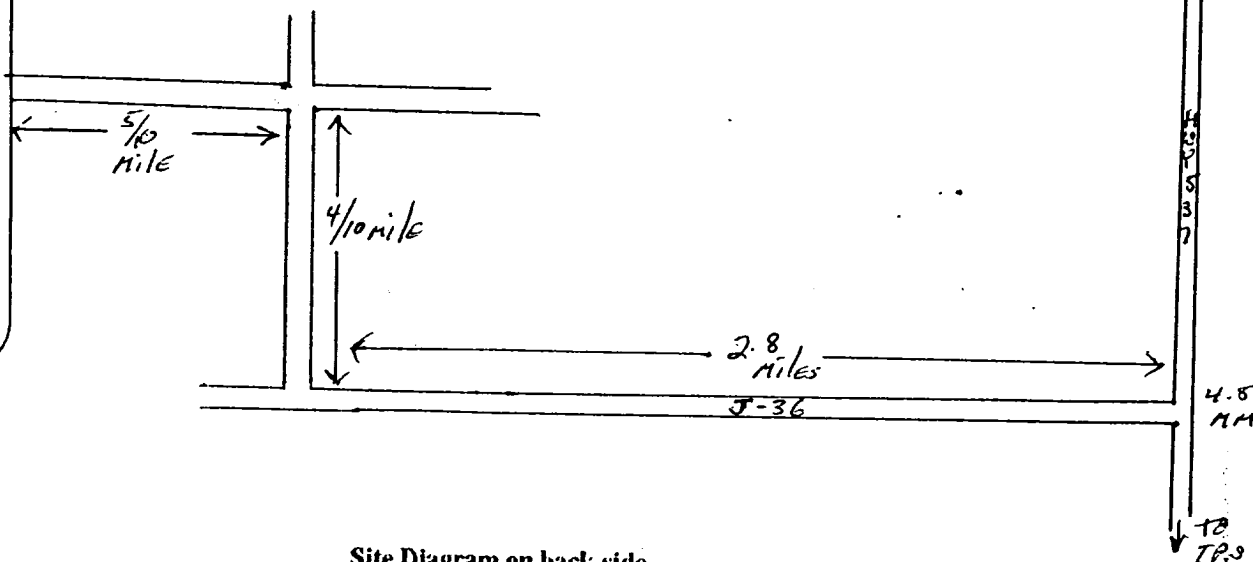
West wall: 1.3

Land farm:

Equipment used: P.S.D. P.D. Loader Excavator Jim Kirby Lin Wilson

Remarks: Two Samples To Lab MW24-200 P.T Floor 3.6 PPM MW24-201
Hwall Pond 1.0 PPM, Move Land Soil Pile + Made New Land Farm

Martin
W.H. HAKER
No 24



Site Diagram on back side

Site Diagram

Site Name: Mortimer/HaKeen Rd 24

Sample No.

Description

PID (PPM)

1) MD84-200

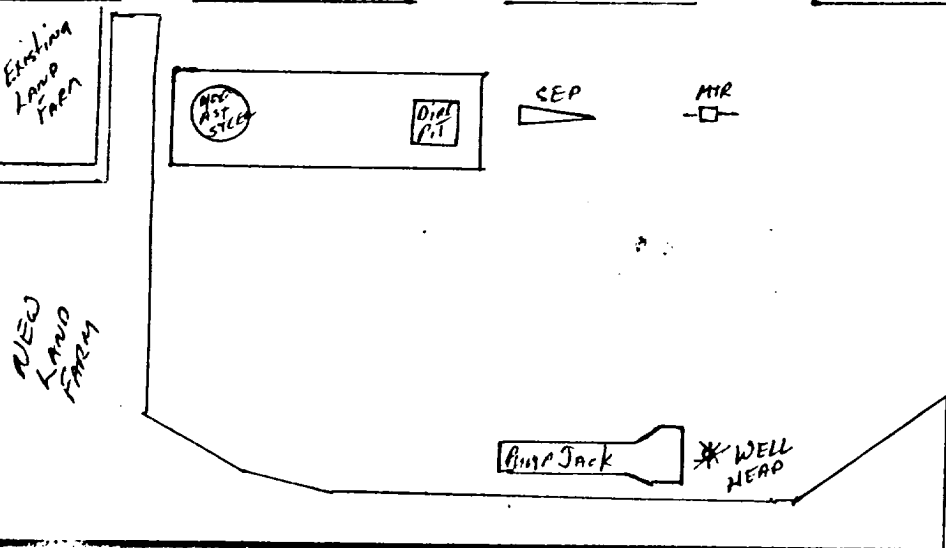
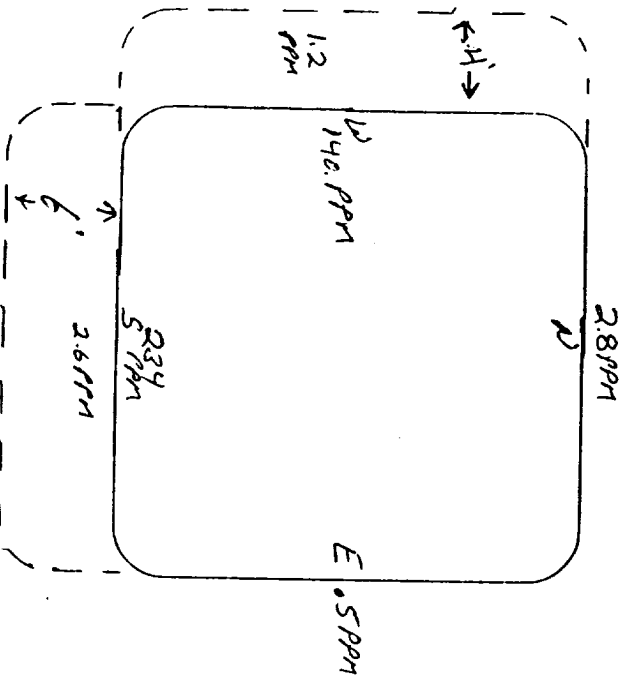
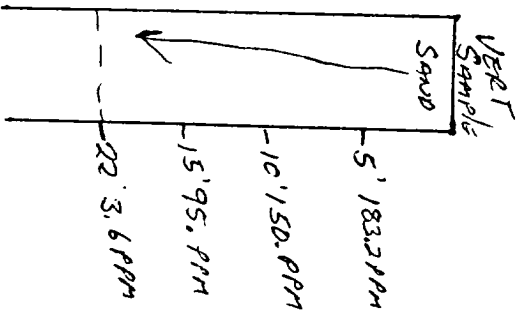
P.T. Floor

3.6 PPM

2) MD24-201

4. Wall Comp

1.0 PPM



CHAIN OF CUSTODY RECORD

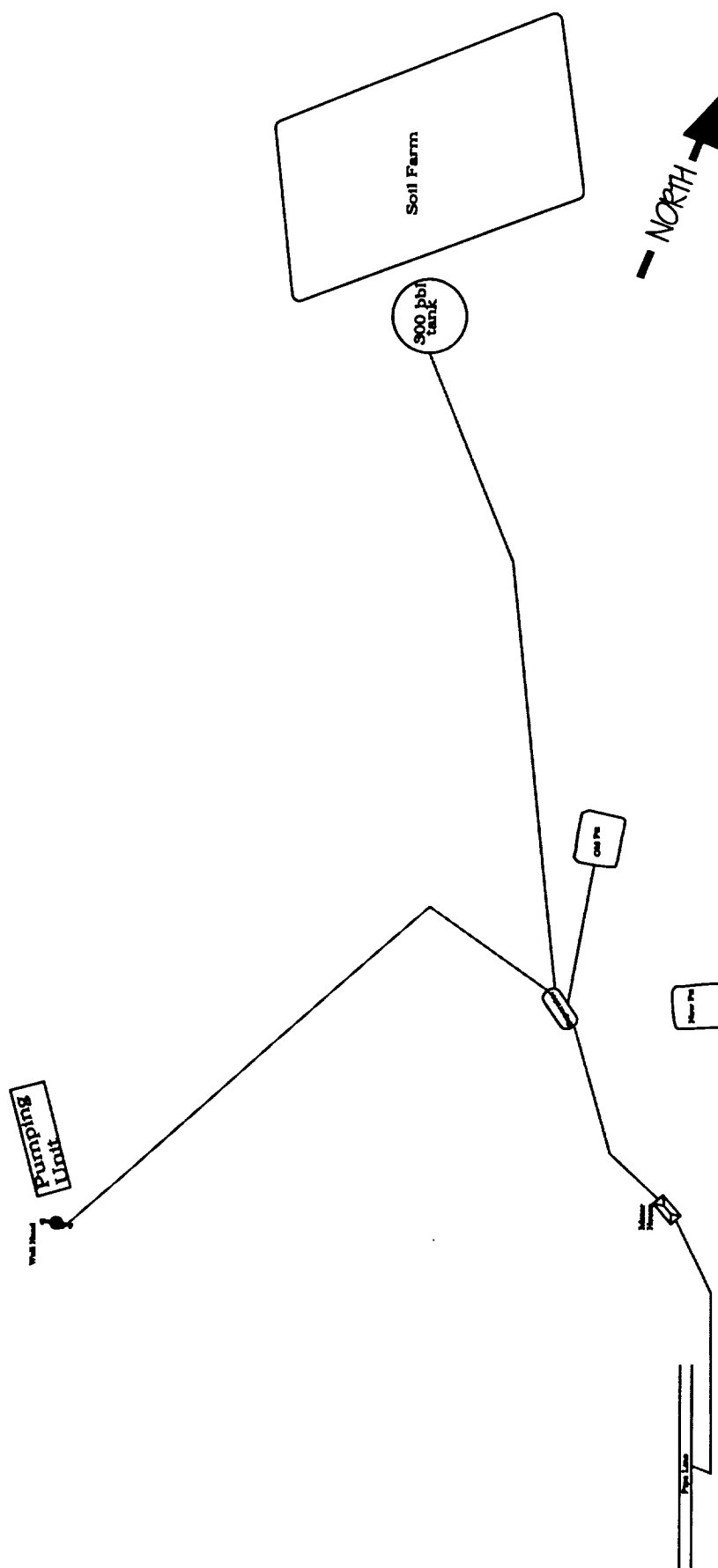
ON SITE

TECHNOLOGIES, LTD. 

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

Purchase Order No.: _____ Job No. _____					
Name Shayne Adams					
Company Continental Environmental Svcs.					
Address P.O. Box 3376					
City, State, Zip Farmington, NM 87401					
Sampling Location: MURK, MURKMLD, MW24, MW24MLD1, #23, W124MLD2, MW37					
Sample: L R W					
SAMPLE IDENTIFICATION		SAMPLE DATE TIME		MATRIX	PRES.
MW16LD8-100 P+ Floor		9/1/98	7:05	SOIL	Above
MW16LD8-101 4 wall comp		"	7:05		
MW16LD8-102 P+ Floor		"	10:40		
MW16LD8-103 4 wall comp		"	10:45		
MW24-200 P+ Floor		9/1/98	10:15		
MW24-201 4 wall comp		"	10:20		
MW24LD1-202 4 wall comp		"	11:10		
MW24LD1-203 P+ Floor		"	11:05		
MW24LD2-205 P+ Floor		"	11:50		
MW24LD2-204 4 wall comp		"	11:55		
MW27-206 Floor		"	3:45		
MW27-207 4 wall comp		"	3:50		
Relinquished by: Mike Reid		Date/Time 9/1/98 1:00			
Relinquished by:		Date/Time			
Relinquished by:		Date/Time			
Method of Shipment:					
Authorized by: [Signature]		Date 9/1/98			
(Client Signature Must Accompany Request)					

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client



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

1/22/91	Q
	Water
	Gas
	Oil/Water
	Cond/Oil/Water

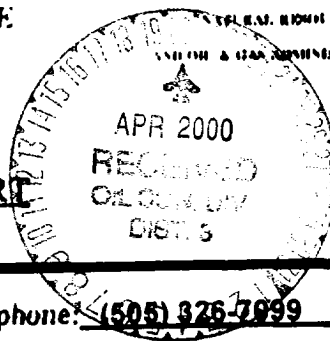
Field Data Recorded : _____ Date: _____	Elm Ridge Resources Martin Whittaker #24 Rio Arriba County, New Mexico NW/SE Sec 6, T23N, R4W	Contract Environmental Services, Inc. 505-325-1198 Farmington, New Mexico
Reviewed : _____ Date: _____		
Drawn : _____ Date: _____		

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

SUBMIT TO

TELE. ROOM 117 DAPT

WATER & LAND ADMINISTRATION



ON-SITE SOIL REMEDIATION REPORT

Operator: Elm Ridge Resources Telephone: (505) 826-7999

Address: 312 W La Plata, Farmington NM 87401

Facility or Well Name: Martin Whittaker #24

Location: Unit or Qtr/Sec NW/SE Sec 06 T 23N R 4W County Rio Arriba

Land Type: Jicarilla Range

Date Remediation Started: 9-9-98 Date Completed: 8-17-99

Remediation Method: Landfilled X Approx. cubic yards 400

Composted ---

Other ---

Depth To Groundwater: (pts.) 0

Distance to an Ephemeral Stream (pts.) 10

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

Wellhead Protection Area: (pts.) 0

Distance To Surface Water: (pts.) 0

Final Closure Sampling:

Sampling Date: 8-17-99 Time 0830

Sample Results:

Field Headspace (ppm) 0.0

TPH (ppm) GRD NO 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: 24-Aug-99

Client:	Elm Ridge Resources, Inc.	Client Sample Info:	Elm Ridge Landfarm
Work Order:	9908041	Client Sample ID:	MW #24 Sep LF 1-1
Lab ID:	9908041-09A	Matrix:	SOIL
Project:	Elm Ridge Resources Landfarms	Collection Date:	08/17/1999 8:30:00 AM
		COC Record:	10248

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	08/20/1999
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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Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Location: Martin Whittaker # 24

Quad: NW/SE Section: 06

Township: 23N Range: 4W

Pit: Separator

Reference: 60' S 20° W

Size: 149' x 75' x 1'

Yds: 400

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		

