

OK.

SUBMIT COPY TO
 NATURAL RESOURCE DEPT.
 AND OIL & GAS ADMINISTRATION

DEC APPROVED

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 9/14/98 Date Completed: 9/14/98

Remediation Method: Excavation X

Approx. cubic yards 18 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
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 5'

GAS ND PPM

DIE ND PPM

Sample date 9/14/98

Sample time 10:00 AM

METHOD: BOISM

PID = 8.2 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) 4.7

Ethylbenzene (ppb) N/A

TPH BOISM (ppm) GAS ND PPM
DIE ND 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 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: 12-7-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 25-Sep-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Martin Whittaker #26 #2
Work Order:	9809042	Client Sample ID:	MW26#2-102; Pit Floor
Lab ID:	9809042-03A	Matrix:	SOIL
Project:	Martin Whittaker	Collection Date:	9/14/98 10:00:00 AM
		COC Record:	5213

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/23/98
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

P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 25-Sep-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Martin Whittaker #26 #2
Work Order:	9809042	Client Sample ID:	MW26#2-103; 4 Wall Comp
Lab ID:	9809042-04A	Matrix:	SOIL
Project:	Martin Whittaker	Collection Date:	9/14/98 10:05:00 AM
		COC Record:	5213

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/23/98
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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGIES, LTD. 10000 N. 10000 E. FARMINGTON, NM 87499

CONTRACT ENVIRONMENTAL

Daily Site Sheet

Client Name: Elm Ridge Resources

Site Name: Martin WH Haker No 26

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

Date: 9-14-98

Time Started: 7:45

Time Finished: 12:00

Pit starting size: 15X15X5 P.T.#1 Pit size when finished: 19X19X20 - P.T.#1

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

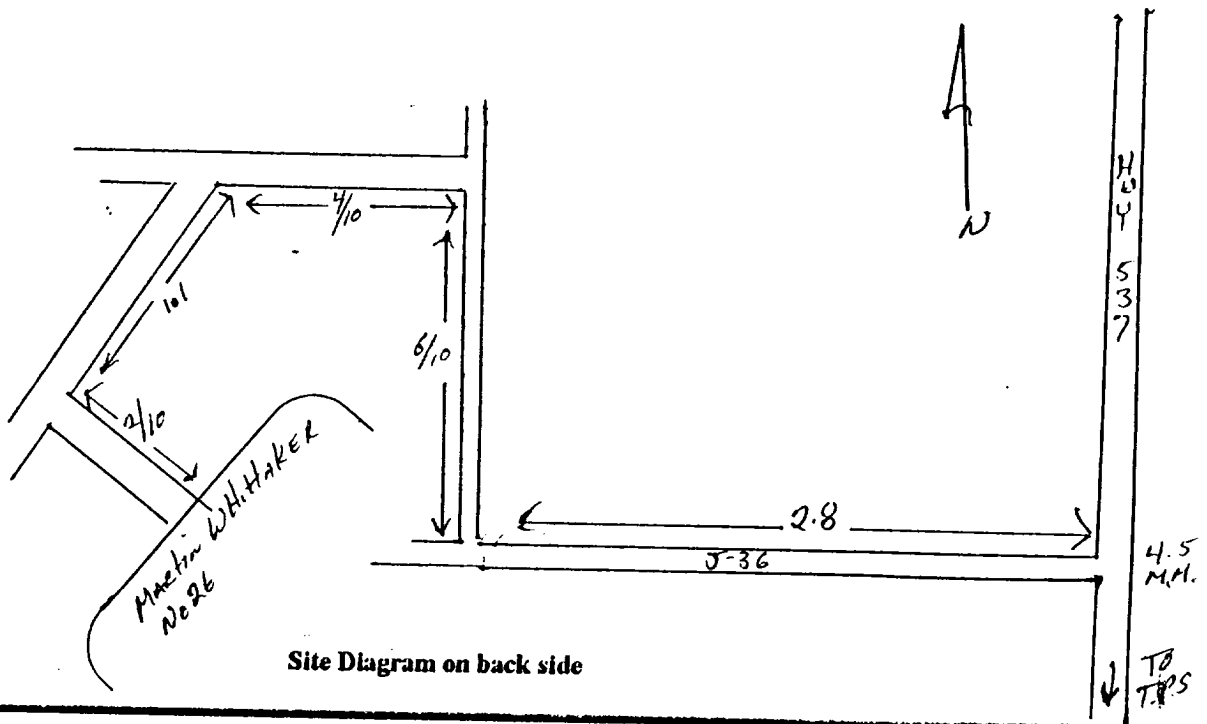
P.T.#	1	1.5	1.7	1.0	2.9
Front Wall	1.5	1.5	1.5	1.5	1.5
Side Wall	1.5	1.5	1.5	1.5	1.5
Back Wall	1.5	1.5	1.5	1.5	1.5
Entry	1.5	1.5	1.5	1.5	1.5

Land farm: _____

Equipment used: P.S.D. P.I.D., Loader, Excavator, Line Locator, Sinkirby Lind Wilson

Remarks: (4) Four Samples To Lab. MW26#1-100 P.T. Floor 2.0 PPM, MW26#1-101
4 WALL Comp 3.2 PPM, MW26#1-102 P.T. Floor 2.1 PPM, MW26#1-103
1.1 Comp 3.2 PPM

Map to site

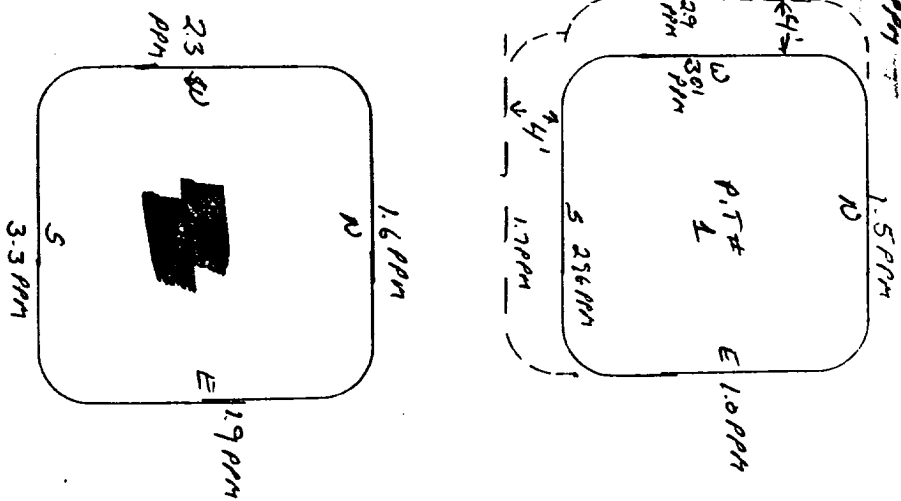
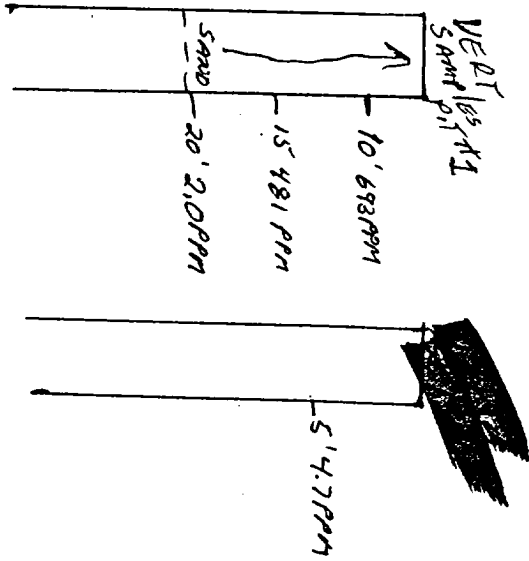


Site Diagram on back side

Site Diagram

Site Name: Matrix withaker No. 21

Sample No.	Description	PID	PPM
1) H22641-100	Pit floor	2.0	PPM
2) H22641-101	4" wall Comp	3.2	PPM
3) H22642-100	Pit floor	4.7	PPM
4) H22642-103	4" wall Comp	8.2	PPM



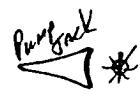
NEW LAND FARM



Existing LAND FARM

NEW LAND FARM

NEW LAND FARM



NEW LAND FARM



CHAIN OF CUSTODY RECORD

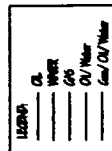
5213

Date: 9-14-98

Page 1 of 1

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		Title	
SEND INVOICE TO		Name		Company		Mailing Address	
Address		City, State, Zip		Telephone No.		Telefax No.	
Name: Shawn Adams		Company: CAMP		Mailing Address: 325-1198		Telephone No. 325-1198	
Address: P.O. Box 3776		City, State, Zip: Farmington NM 87499		Telephone No. 325-1198		Telefax No.	
City, State, Zip: Farmington NM 87499		Sampling Location: 1st Wall Camp		ANALYSIS REQUESTED			
Sample: L1W		Number of Containers		Date/Time		Date/Time	
SAMPLE IDENTIFICATION		DATE		TIME		PRES.	
1W26 1-100 Pit Floor		9-14-98		09:30		1:14	
1W26 1-101 1st Wall Camp		9-14-98		09:35		1:11	
1W26 2-102 Pit Floor		9-14-98		10:00		1:11	
1W26 2-103 1st Wall Camp		9-14-98		10:05		1:11	
1W26 1D-104 Pit Floor		9-14-98		10:10		1:11	
1W26 1D-105 1st Wall Camp		9-14-98		10:15		1:11	
1W26 1D-106 Pit Floor		9-14-98		10:20		1:11	
1W26 1D-107 1st Wall Camp		9-14-98		10:25		1:11	
1W26 1D-108 Pit Floor		9-14-98		10:30		1:11	
1W26 1D-109 1st Wall Camp		9-14-98		10:35		1:11	
Relinquished by: [Signature]		Date/Time: 9/17/98		8:25		Received by: [Signature]	
Relinquished by:		Date/Time:				Received by:	
Relinquished by:		Date/Time:				Received by:	
Method of Shipment:		Rush		24-48 Hours		10 Working Days	
Authorized by: [Signature]		Date: 9/17/98		STD		Special Instructions:	



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

Martin Whittaker 26

SE/NW Sec. 6, T23N, R4W
Rio Arriba County, New Mexico

Contract Environmental Services, Inc.

505-325-1198

Farmington, New Mexico

Field Data Recorded : _____ Date: _____

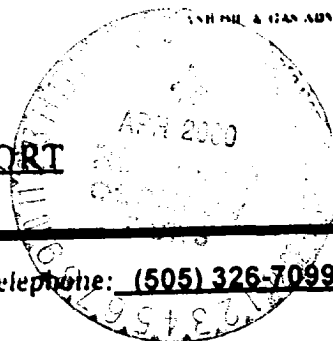
Reviewed: _____ Date: _____

Drawn: _____ Date: _____

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

SUBMIT COPY TO
NATURAL RESOURCE DEPT
AND FIRE & GAS 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 #26 Pit #2
Location: Unit or Qtr/Qtr Sec SE/NW Sec 06 T 23N R 4W County Rio Arriba
Land Type: Jicarilla Range
Date Remediation Started: 9-14-98 Date Completed: 8-17-99
Remediation Method: Landfilled X Approx. cubic yards 52
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) 0

Final Closure Sampling:
Sampling Date: 8-17-99 Time: 0923
Sample Results:
Field Headspace (ppm) 5.6
GRD NO
TPH (ppm) DRD 420 Method 8015
Other —

RANKING SCORE (TOTAL POINTS): 0

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.
Work Order: 9908041
Lab ID: 9908041-10A **Matrix:** SOIL
Project: Elm Ridge Resources Landfarms

Client Sample Info: Elm Ridge Landfarm
Client Sample ID: MW #26 Pit #2 LF
Collection Date: 08/17/1999 9:23:00 AM
COC Record: 10248

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	420	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: 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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Location: Martin Whittaker # 26 Pit #2

Quad: SE/NW Section: 06

Township: 23N Range: 4W

Pit: Line Drip

Reference:

Size: 30'x20'x1'

Yds: 22

1-5 - Point Composite

Sample #	Location	OVM
1	1-1	5.6
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Comments: Sandy loam, some clay, no odor or staining, sample depth 8" to 12"

Environmental Specialist:

