

OK



APPROVED

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 8/20/98 Date Completed: 8/24/98

Remediation Method: Excavation X Approx. cubic yards 530 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 EXCAVATOR, SPREAD ON LOCATION IN SOIL FARM

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Pit Bottom - center 4 DANKS N,S,E,W

Closure Sampling:

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

Sample depth 19'

Sample date 8/24/98

Sample time 10:25AM

GAS NO PPM

DIe NO PPM

Method 8015 m

4.2 PPM PID

Sample Results

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) N/A

Total BTEX (ppm) N/A

Toluene (ppb) N/A

Field Headspace (ppm) 41.0

Ethylbenzene (ppb) N/A

TPH 8015 m (ppm) GAS 2.1 PPM

Total Xylenes (ppb) N/A

DIe 1100 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 11/23/98 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: 11-25-98

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

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

ON-SITE SOIL REMEDIATION REPORT

Operator: _____ Telephone: _____	
Address: _____	
Facility or Well Name: _____	
Location: Unit or Qtr/Qtr Sec _____ Sec _____ T _____ R _____ County _____	
Land Type: _____	
Date Remediation Started: _____ Date Completed: _____	
Remediation Method: Landfarmed _____ Approx. cubic yards _____	
Composted _____	
Other _____	
Depth To Groundwater: (pts.) _____	Final Closure Sampling: Sampling Date: _____ Time: _____ Sample Results: Field Headspace (ppm) _____ TPH (ppm) _____ Method _____ Other _____
Distance to an Ephemeral Stream (pts.) _____	
Distance to Nearest Lake, Playa, or Watering Pond (pts.) _____	
Wellhead Protection Area: (pts.) _____	
Distance To Surface Water: (pts.) _____	
RANKING SCORE (TOTAL POINTS): _____	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE _____ PRINTED NAME _____	
SIGNATURE _____ AND TITLE _____	
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: 03-Sep-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Martin Whittaker #60
Work Order:	9808051	Client Sample ID:	MW60-101; Pit Floor
Lab ID:	9808051-02A	Matrix:	SOIL
Project:	Martin Whittaker #60	Collection Date:	8/24/98 10:25:00 AM
		COC Record:	6948

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	1100	25		mg/Kg	1	Analyst: HR 8/31/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	2.1	0.18		mg/Kg	1	Analyst: DC 8/28/98

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

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 03-Sep-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Martin Whittaker #60
Work Order:	9808051	Client Sample ID:	MW-60-103; 4 Wall Comp. Pit
Lab ID:	9808051-04A	Matrix:	SOIL
Project:	Martin Whittaker #60	Collection Date:	8/24/98 10:35:00 AM
		COC Record:	6948

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/1/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	8/28/98

Qualifiers:

- PQL - Practical Quantitation Limit
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- 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
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Technology Reports - Reports with the Following

1 of 1

CONTRACT ENVIRONMENTAL

Daily Site Sheet

Site Name: Martin With Harker No 60

Date: 8-20-98

Time Started: 10:30

Time Finished: 7:30 8-24-98

Pit starting size: 25x15x5

Pit size when finished: 33x23x19

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: _____

South wall: _____

East wall: _____

West wall: _____

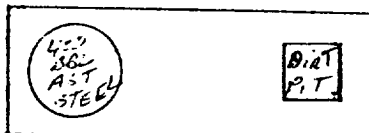
Land farm: _____

Equipment used: P.S.D., P.I.D., EXCAVATOR, JAMES KIRBY LINN WILSON

Remarks: 8" oil To Solidify Before start Digging SEP AREA Really Bad
2" oil Stripping SENT 4, 422 JAR Samples To Lab, MW60-100, MW60-101,
MW60-102, MW60-103

Site Diagram

N 

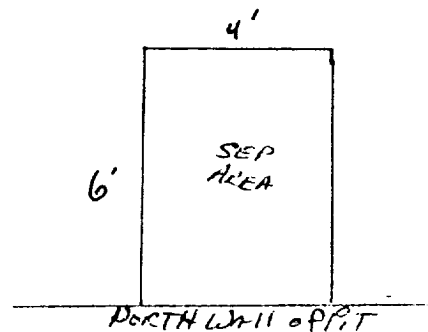
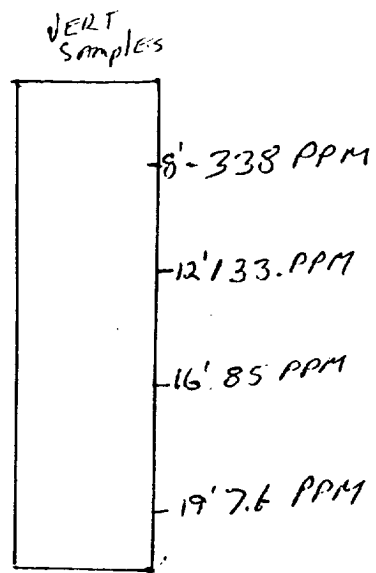


SEP REMOVED

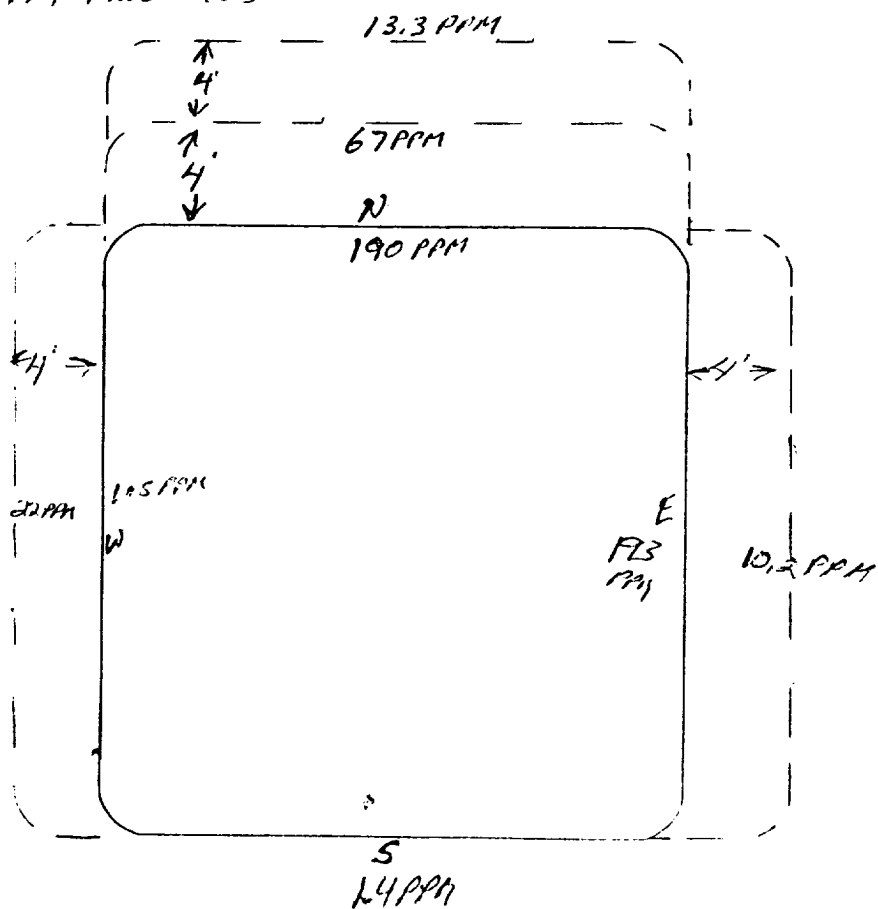

SEP
RESET


WELL
HEAD 

 PUMPJACK



- SEP Floor 15.0 PPM MW60-100
- P.T Floor 41.0 PPM MW60-101
- 3 wall comp SEP AREA 2.3 PPM MW60-102
- 4 wall comp P.T 4.2 PPM MW60-103

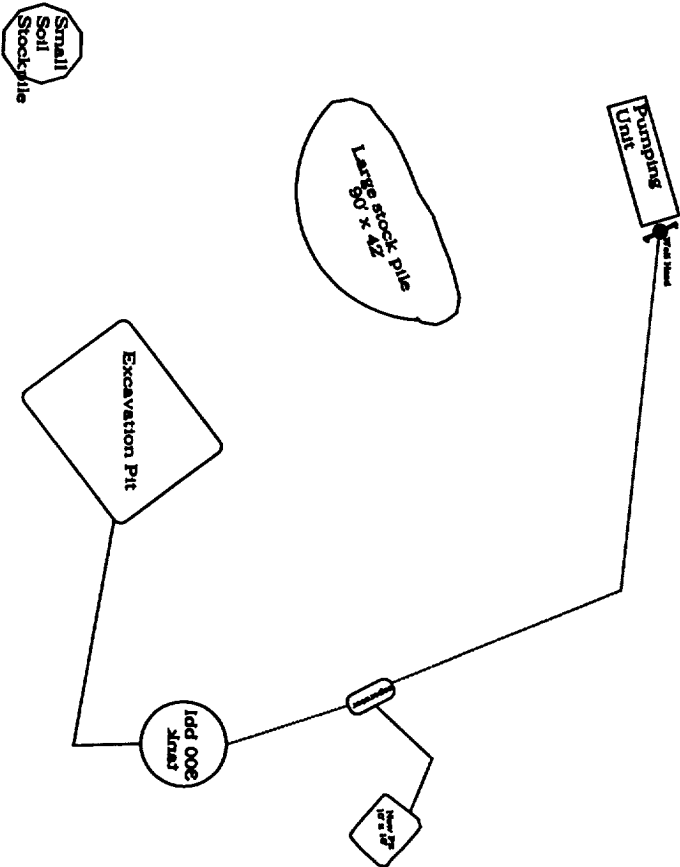


TECHNOLOGIES, LTD.

Distribution; White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
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LEGEND:
— A
— W&E
— GS
— O/Water
— Gnd/O/Water



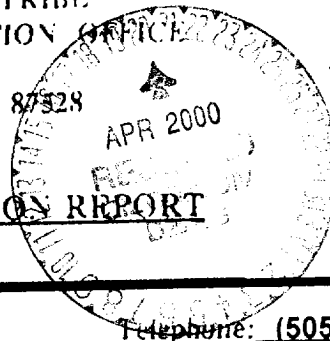
Field Data Recorded : _____ Date: _____
Reviewed : _____ Date: _____
Drawn : _____ Date: _____

Elm Ridge Resources
Martin Whittaker 60
SW/NE Sec. 22, T23N, R4W
Sandoval 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

SUBMIT COPY TO
NATURAL RESOURCES DEPT
AND OIL & GAS ADMINISTRATION



ON-SITE SOIL REMEDIATION REPORT

Operator: <u>Elm Ridge Resources</u>		Telephone: <u>(505) 326-7099</u>	
Address: <u>312 W La Plata, Farmington NM 87401</u>			
Facility or Well Name: <u>Martin Whittaker #60</u>			
Location: Unit or Qtr/Qtr Sec <u>SW/NW</u> Sec <u>22</u> T <u>23N</u> R <u>4W</u> County <u>Sandoval</u>			
Land Type: <u>Jicarilla Range</u>			
Date Remediation Started: <u>8-20-98</u>		Date Completed: <u>8-26-99</u>	
Remediation Method: Landfarmed ☒		Approx. cubic yards <u>556</u>	
Composted: ☐			
Other: ☐			
Depth To Groundwater: (pts.) <u>0</u>		Final Closure Sampling:	
Distance to an Ephemeral Stream (pts.) <u>0</u>		Sampling Date: <u>8-26-99</u> Time: <u>1023</u>	
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>		Sample Results:	
Wellhead Protection Area: (pts.) <u>0</u>		Field Headspace (ppm) <u>15.6</u>	
Distance To Surface Water: (pts.) <u>0</u>		TPH (ppm) <u>GRO ND</u> Method <u>8015</u>	
RANKING SCORE (TOTAL POINTS): <u>0</u>		DRO <u>210</u>	
		Other: ☐	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE <u>9-23-99</u>		PRINTED NAME <u>Bill Schaaphok</u>	
SIGNATURE <u>Bill Schaaphok</u>		AND TITLE <u>Environmental Specialist</u>	
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: 09-Sep-99

Client:	Elm Ridge Resources, Inc.	Client Sample Info:	Elm Ridge Landfarm
Work Order:	9908058	Client Sample ID:	MW #60 LF 1-1
Lab ID:	9908058-02A	Matrix:	SOIL
Project:	Elm Ridge Landfarms	Collection Date:	8/26/99 10:23:00 AM
		COC Record:	10257

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C10-C28	210	25		mg/Kg	1	9/7/99
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	9/1/99

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

P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY BLENDING INDUSTRIES, INC.

Location : <u>Martin Whittaker # 60</u> Quad : <u>5W/NW</u> Section : <u>22</u> Township: <u>23N</u> Range: <u>4W</u> Pit : <u>Separator</u> Reference : <u>90' N20°E</u> Size : <u>200' x 75' x 1'</u> Yds : <u>556</u> <u>3-5</u> - Point Composite	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample #</th> <th>Location</th> <th>OVM</th> </tr> </thead> <tbody> <tr><td>1</td><td>1-1</td><td>15.6</td></tr> <tr><td>2</td><td>1-2</td><td>9.0</td></tr> <tr><td>3</td><td>1-3</td><td>0.9</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td></tr> <tr><td>12</td><td></td><td></td></tr> </tbody> </table>	Sample #	Location	OVM	1	1-1	15.6	2	1-2	9.0	3	1-3	0.9	4			5			6			7			8			9			10			11			12			Overview of Landfarm and Sampling :
Sample #	Location	OVM																																							
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12																																									
Comments : <u>Sandy clay, grey, moist, covered with vegetation, no odor or staining, sample depth 6" to 8"</u>																																									
Environmental Specialist :																																									