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OK -

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

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

RECEIVED
DEC - 2 1999

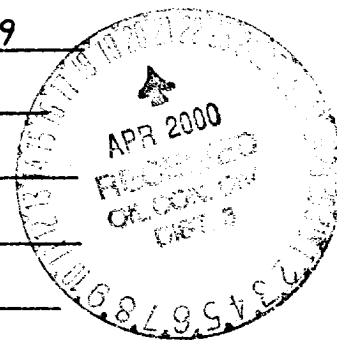
OIL CON. DIV.
DIST. 3

PIT 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 #56Location: Unit or Qtr/Qtr Sec NE/NE Sec 18 T24N R4W County BIO ARribaPit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: _____



Pit Location:
(Attach diagram)

Pit dimensions: length 31', width 33', depth 16'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) 0

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) 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
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) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 9/25/98 Date Completed: 9/25/98

Remediation Method: Excavation X Approx. cubic yards 600 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 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) GAS NO PPM
Sample depth 16' DIE NO PPM
Sample date 9/25/98 Sample time 2:40 PM METHOD: BOISM
Sample Results PID = 4.7 PPM

Soil: Benzene (ppm)	<u>N/A</u>	Water: Benzene (ppb)	<u>N/A</u>
Total BTEX (ppm)	<u>N/A</u>	Toluene (ppb)	<u>N/A</u>
Field Headspace (ppm)	<u>17.6</u>	Ethylbenzene (ppb)	<u>N/A</u>
TPH <u>BOISM</u> (ppm)	<u>GAS NO PPM</u>	Total Xylenes (ppb)	<u>N/A</u>
	<u>DIE NO PPM</u>		

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 12/2/98 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 #56
Work Order:	9809077	Client Sample ID:	MW56-500 Pit Floor
Lab ID:	9809077-07A	Matrix:	SOIL
Project:	Martin Whittaker	Collection Date:	9/25/98 2:40:00 PM
		COC Record:	5218

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/6/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	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

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: 08-Oct-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Martin Whittaker #56
Work Order:	9809077	Client Sample ID:	MW56-501 4 Wall Comp.
Lab ID:	9809077-08A	Matrix:	SOIL
Project:	Martin Whittaker	Collection Date:	9/25/98 2:45:00 PM
		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 10/6/98
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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- TECHNOLOGY BLENDING INDUSTRY WITH THE FINEST SCIENCE

1 of 1

CONTRACT ENVIRONMENTAL

Daily Site Sheet

Client Name: ELM Ridge Resources

Site Name: Martin/H.H. Haker No 56

NE 1/4, NW 1/4, SEC. 18, T 24 N, R 4 W.

Date: 9-25-98

Time Started: 9:15

Time Finished: _____

Pit starting size: 25X25X5

Pit size when finished: 31X33X16

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: 7.6

South wall: 9

East wall: 10

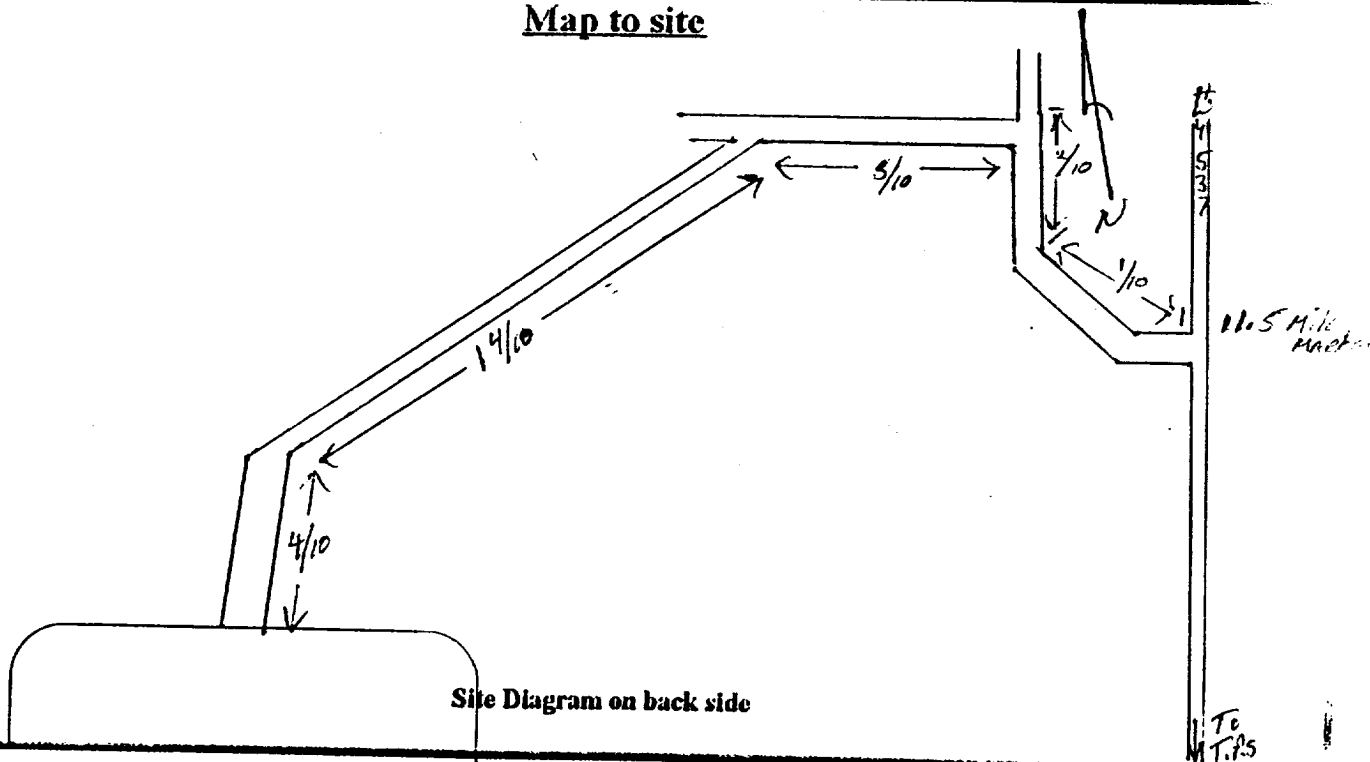
West wall: 3.6

Land farm: _____

Equipment used: P.S.D. P.I.D. Excavator, Jim Kirby Linnville, Mo

Remarks: Two samples to lab

Map to site

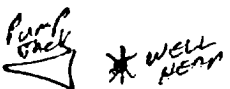
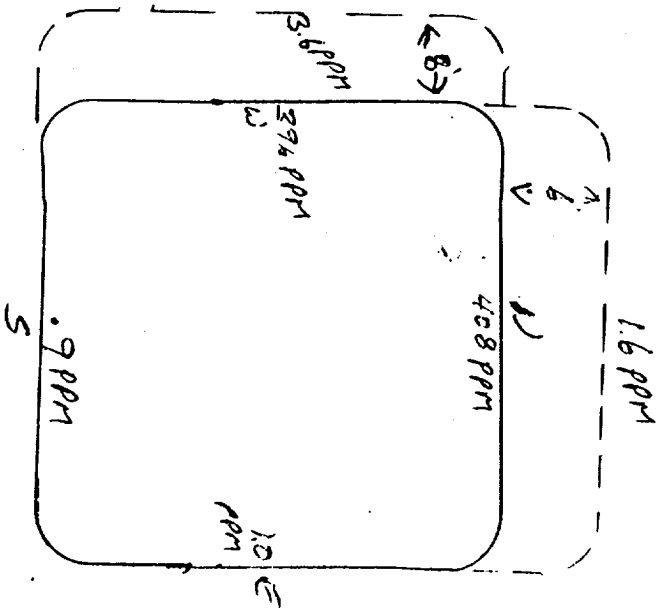
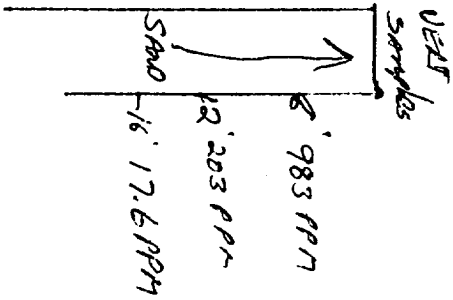


Site Diagram

Site Name: *Phase 111, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000*

Sample No.	Description
1) M256-520	P.T. Filter
2) M256-521	4.0m 11 Comp

PID CPND
12.6 PPM
4.7 PPM

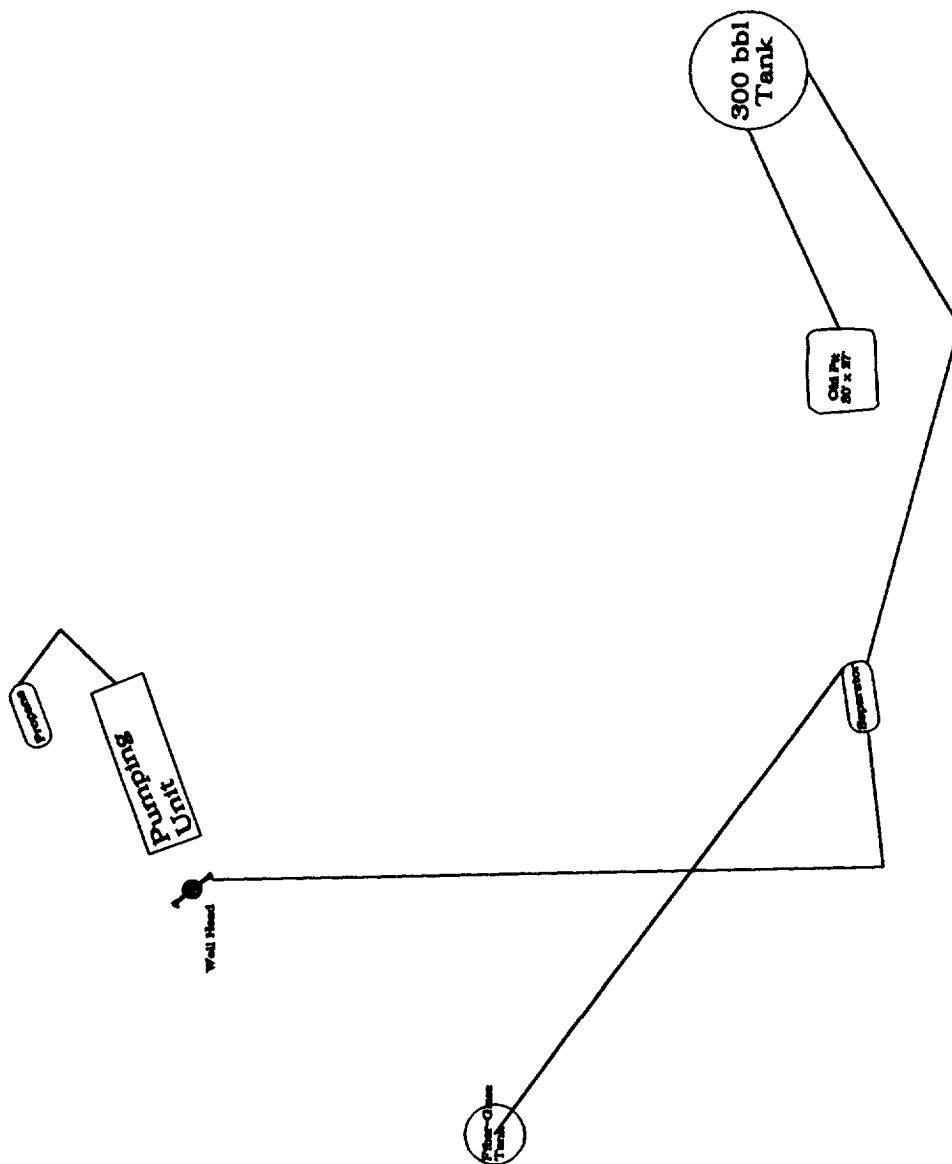


5218

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

Page 7 of 10

Purchase Order No.:		Job No.	
Name: <u>Chawn Adams</u>		Name: _____	
Company: <u>Contract Earth</u>		Company: _____	
Address: <u>Box 3376</u>		Mailing Address: _____	
City, State, Zip: _____		City, State, Zip: _____	
Telephone No.:		Telephone No.:	
Telex No.:		Telex No.:	
Sampling Location: <u>Marlin Whittaker #57</u>		ANALYSIS REQUESTED	
Date: <u>9/2/78</u>		Date: <u>9/2/78</u>	
Time: <u>11:00</u>		Time: <u>11:00</u>	
Matrix: <u>Soil</u>		Matrix: <u>Soil</u>	
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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 56
 NE/NW Sec. 18, T24N, R4W
 Rio Arriba County, NM

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

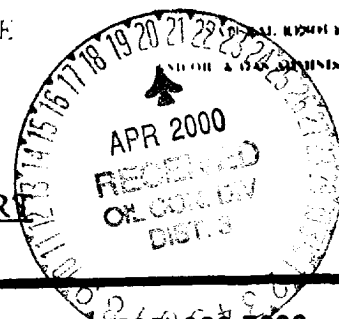
JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SMITH COPY TO

ENVIRONMENTAL DEPT

WATER & SOIL ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT



Operator: Elm Ridge Resources Telephone: (505) 328-7099

Address: 312 W La Plata, Farmington NM 87401

Facility or Well Name: Martin Whittaker #56

Location: Unit or Qtr/Qtr Sec NE/NW Sec 18 T 24N R 4W County Rio Arriba

Land Type: Jicarilla Range

Date Remediation Started: 9-25-98 Date Completed: 8-18-99

Remediation Method: Landfarmed X Approx. cubic yards 583

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

RANKING SCORE (TOTAL POINTS): 10

Final Closure Sampling:

Sampling Date: 8-18-99 Time 1152

Sample Results:

Field Headspace (ppm) 1.1

TPH (ppm) GRD ND Method 8015
DRD 700

Other

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: 16-Sep-99

Client:	Elm Ridge Resources, Inc.	Client Sample Info:	Elm Ridge Landfarms
Work Order:	9908046	Client Sample ID:	MW #56 Landfarm 1-2
Lab ID:	9908046-08A	Matrix:	SOIL
Project:	Elm Ridge Landfarms	Collection Date:	8/18/99 11:52:00 AM
		COC Record:	10248

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	700	25		mg/Kg	1	8/26/99
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	8/25/99

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
- Sum: - Surrogate

1 of 1

Location : <u>Martin Whittaker # 56</u> Quad : <u>NE/NW</u> Section : <u>18</u> Township: <u>24N</u> Range: <u>4W</u> Pit : <u>Separator</u> Reference : <u>20' N 30° W</u> Size : <u>175' x 90' x 1'</u> Yds : <u>583</u> 3-5 - Point Composite		Overview of Landfarm and Sampling : Comments : <u>Sandy loam, light brown, damp, no odor or staining, sample depth 8" to 12"</u> Environmental Specialist :	
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