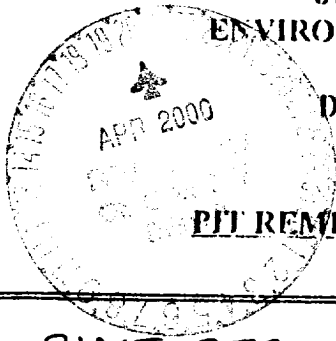


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OK



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

DEC - 2 1999

OIL CON. DIV.

APPROVED

PIT REMEDIATION AND CLOSURE REPORT

Operator: ELM RIDGE RESOURCES Telephone: 326-7099Address: 312 W. LA PLATA STREET, FARMINGTON, NM 87401Facility or Well Name: MARTIN WHITAKER #60Location: Unit or Qtr/Qtr Sec SW/NE Sec 22 T 23N R 4W County SANDOVAL CTYPit Type: Separator Dehydrator OilLand Type: .Pit Location: Pit dimensions: length 6', width 4', depth 6'
(Attach diagram)Reference: wellhead X, 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>0</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): 0

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

Remediation Method: Excavation X
(Check all appropriate sections)

Approx. cubic yards 5 CY see separator pit

Landfirmed X

In situ Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____
(i.e. landfirmed onsite, name and location of offsite facility)

General Description of Remedial Action: REMOVE CONTAMINATED SOIL USING EXCAVATOR SPREAD ON LOCATION IN SOIL FARM

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Pit Bottom - Center
Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

other bank = sep pit
3 BANKS S, E, W

GAS NO PPM

DIE NO PPM

METHOD 8015 m
2.3 PPM PID

Sample depth 6'

Sample date 8/24/98

Sample time 10:20 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) 15.0 PPM Ethylbenzene (ppb) N/A

TPH 8015 m (ppm) GAS 0.24 PPM Total Xylenes (ppb) N/A
DIE 280 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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 03-Sep-98

Client: Contract Environmental Services, Inc.
Work Order: 9808051
Lab ID: 9808051-01A **Matrix:** SOIL
Project: Martin Whittaker #60

Client Sample Info: Martin Whittaker #60
Client Sample ID: MW60-100; Separator Floor
Collection Date: 8/24/98 10:20:00 AM
COC Record: 6948

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	280	25		mg/Kg	1	Analyst: HR 8/31/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	0.24	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:	MW60-102; 3 Wall Comp. Sep.
Lab ID:	9808051-03A	Matrix:	SOIL
Project:	Martin Whittaker #60	Collection Date:	8/24/98 10:30:00 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	Analyst: HR 9/1/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	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

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

1 of 1

CONTRACT ENVIRONMENTAL

Daily Site Sheet

Site Name: Martin WH HAKER No 60

Date: 8-20-98

Time Started: 10:30

Time Finished: 9:30 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: _____

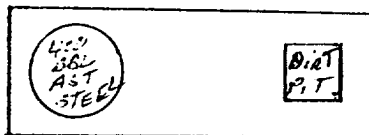
Land farm: _____

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, 4oz JAR Samples To Lab, MW60-100, MW60-101,
MW60-102, MW60-103

Site Diagram

N 

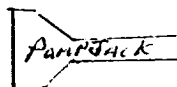


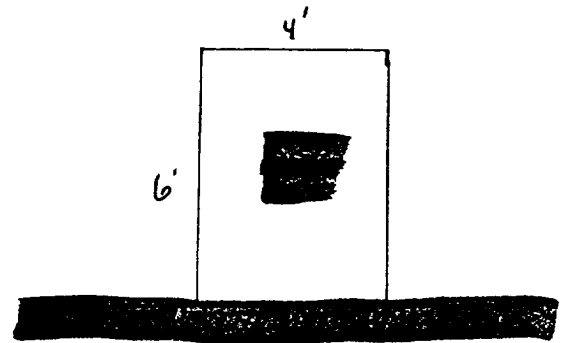
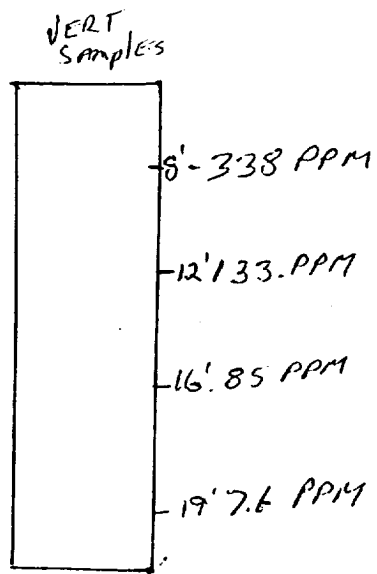
SEP. REMOVED



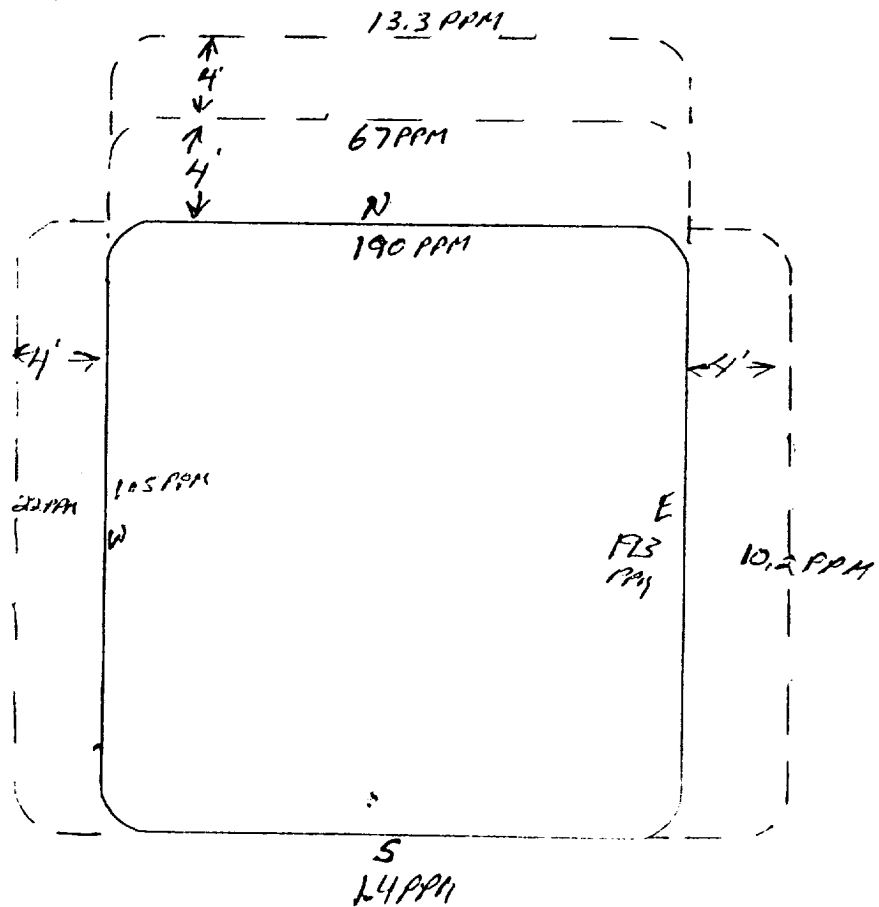
SEP
RESET

WELL
HEAD





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





CHAIN OF CUSTODY RECORD

0948

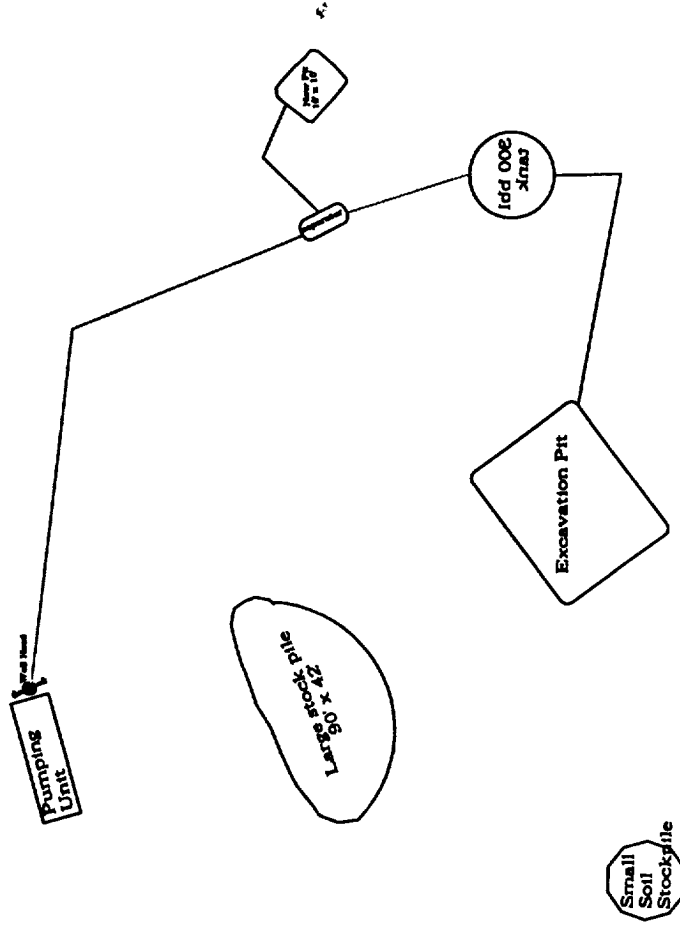
Date: 8/26/98

Page 1 of 1

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.	
Sampling Location: <u>MULTI USE TANK #60</u>		City, State, Zip		Telephone No.		Telefax No.	
Sampler: <u>W. A. 101</u>		ANALYSIS REQUESTED		RESULTS TO REPORT		Containers	
SAMPLE IDENTIFICATION		SAMPLE DATE		MATRIX		PRES.	
MUT-O-100 - SEPARATOR Floor		8/24/98 10:20		Soil		NASC	
MUT-O-101 - Floor		10:30		1		11	
MUT-O-102 - 3 Wall (comp) Separator		10:30		11		11	
MUT-O-103 - 4 Wall (comp) Separator		10:35		11		11	
Relinquished by:		Date/Time		Received by:		Date/Time	
Relinquished by:		Date/Time		Received by:		Date/Time	
Relinquished by:		Date/Time		Received by:		Date/Time	
Method of Shipment:		Rush		24-48 Hours		10 Working Days	
Authorized by:		Date		Special Instructions:			

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



Legend:

- DL
- Water
- Gr
- Oil/Water
- Gas/Oil/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