

Date Remediation Started: 7/7/98 Date Completed: 9/9/98

Remediation Method: Excavation X Approx. Cubic Yards 602
(Check all appropriate sections) Landfarmed Y Amount Landfarmed (cubic yds): RB
602 RAD
Other _____

Remediation Location: Onsite X Offsite 96 cu. yds.
(i.e., landfarmed onsite, name and location of offsite facility) TNT Landfarm
Schmitz Ranch, N. Mex.

General Description of Remedial Action:

Removed Contaminated Soil from all four side
walls and Pit bottom as to get a below 100ppm
headspace reading
Final excavation: 26' X 25' X 25'.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure
Sampling:

(if multiple samples, attach
sample result and diagram of
sample locations and
depths.)

Sample Location North, East, South, West side
walls and Pit bottom

Sample depth 2.5'

Sample date 7/8/98 Sample time 1013

Sample Results

Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 3.1 (bottom) Ethylbenzene (ppb) _____
16.8 (Southwall)

TPH N/D RAD ppm Method 8015 Total Xylenes (ppb) _____

Ground Water 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 MY BELIEF

DATE 8/2/98

PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham

AND TITLE Environmental Technician II

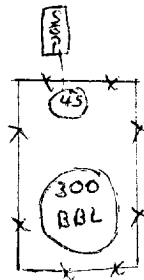
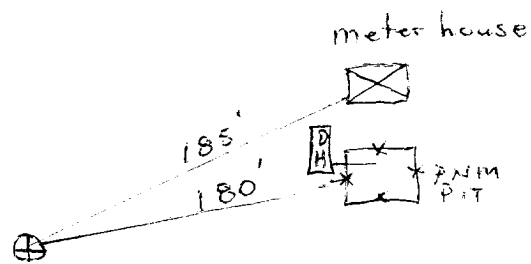
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE
TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kurt C. M... DATE: closed

JICARILLA L-12
SEC-34 T85N R-5W
WFS

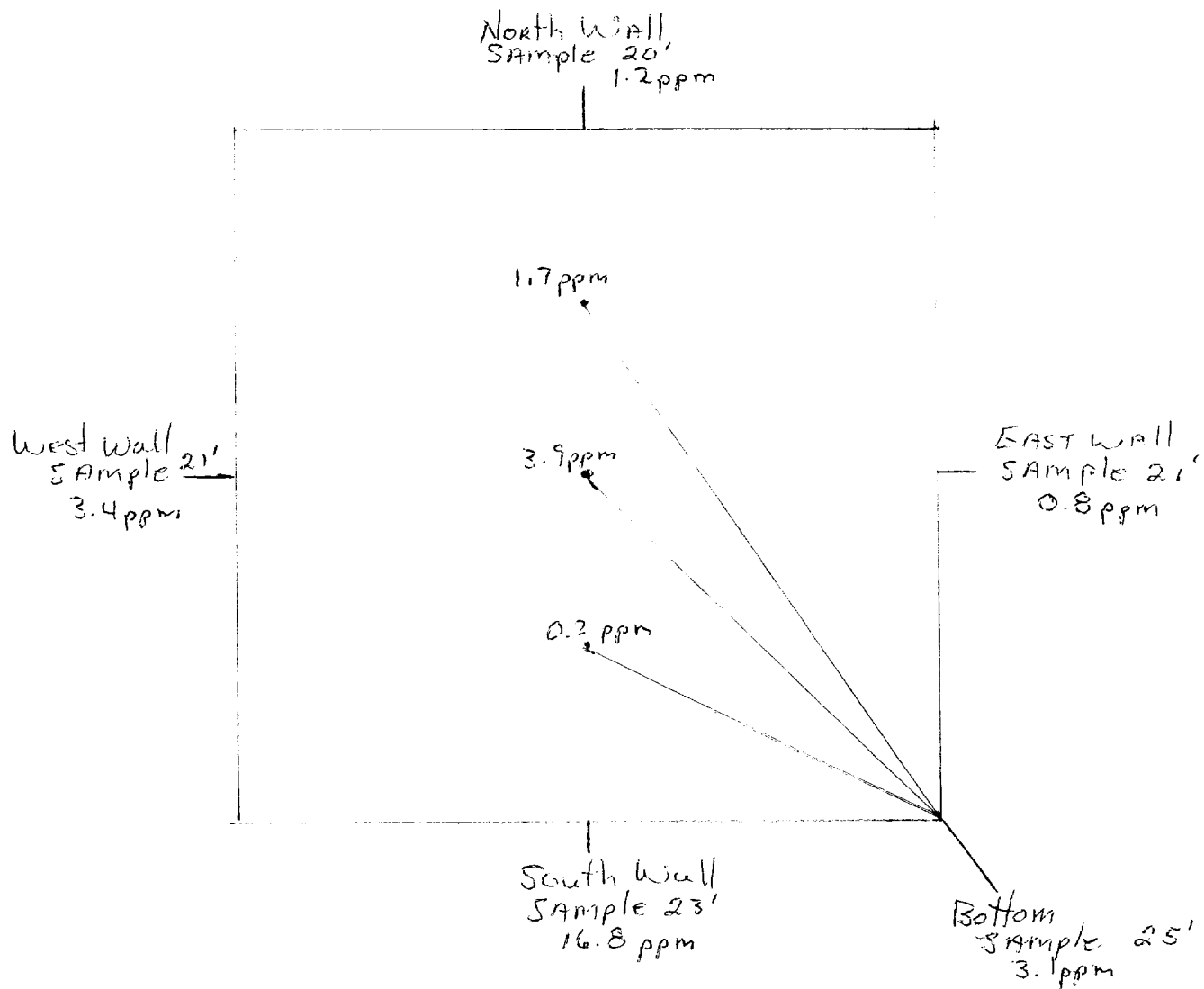
Site Drawing



Jicarilla L-12
Sec-34 T-25N R-5W Unit J

EXCAVATION DRAWING

26' X 25' X 25'



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 23-Jul-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation
Lab Order: 9807027

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla L-12
Work Order:	9807027	Client Sample ID:	9807081013; 3pt. Comp. Bottom
Lab ID:	9807027-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	7/8/98 10:13:00 AM
		COC Record:	7061

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/20/98

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

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla L-12
Work Order:	9807027	Client Sample ID:	9807081012; 4pt. Comp. Walls
Lab ID:	9807027-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	7/8/98 10:12:00 AM
		COC Record:	7061

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	250	25		mg/Kg	1	7/20/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

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For more information, call (505) 325-5667 or visit our website at www.onsitetech.com

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

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (TAURUS) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: JICARILLA L-12
Location: Unit: J Sec. 34 T. 25 N R. S W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7/7/98 Date Completed: 8/19/98
Remediation Method: Landfarmed X Approx. cubic yards 602
Composted
Other

Depth to Ground Water: (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
Ranking Score (Total Points): 0

Final Closure Sampling:
Sampling Date: 8/17/98 Time 063j
Sampling Results:
Field Headspace (ppm) 3.5
TPH (ppm) 78 Method 8015
Other

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 8/29/98 PRINTED NAME Roy Burnham
SIGNATURE Roy Burnham AND TITLE Environmental Technician II

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE
JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES X NO (REASON) use as Backfill
SIGNED: Kent Mennell DATE: 9-9-98

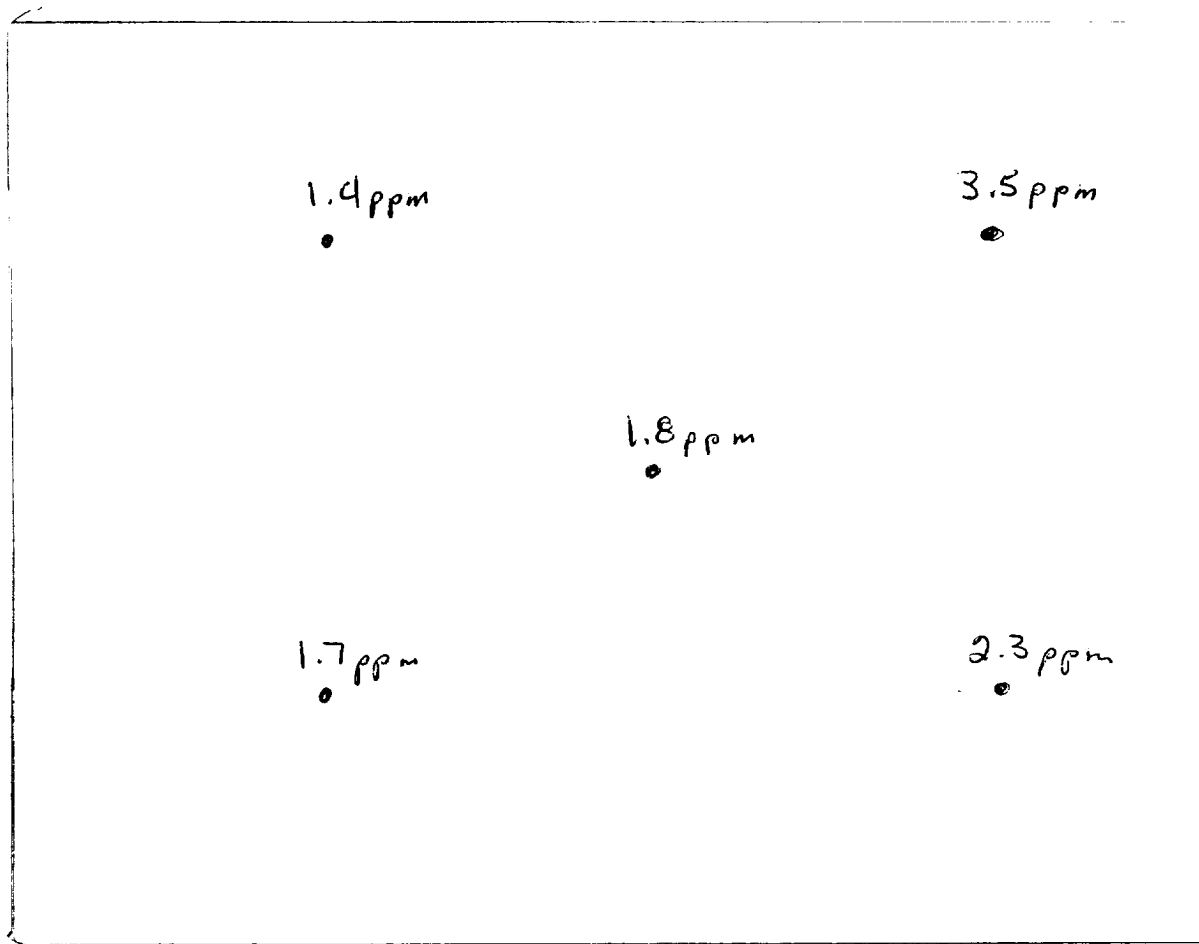
Section 11A L-12

22.34 T25N R5W 411J

APRUS

Land farm

120'



90'

120'

Well Head

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 26-Aug-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9808036

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 26-Aug-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla L-12 LF
Work Order:	9808036	Client Sample ID:	9808170631; 5pt. Comp.
Lab ID:	9808036-01A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	8/17/98 6:31:00 AM
		COC Record:	7333/34/35

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	78	25		mg/Kg	1	8/19/98

Qualifiers:

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