

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): 602 RAD

Other 506 cu. yds.

Remediation Location: Onsite X Offsite 96 cu. yds. TWT 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: Sample Location North, East, South, West side walls and Pit bottom

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

TPH N/D RAD 250 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

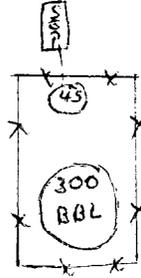
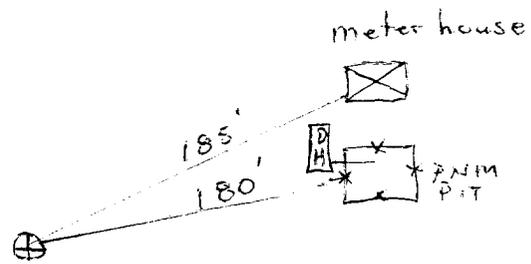
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kerr C Mandle DATE: closed

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

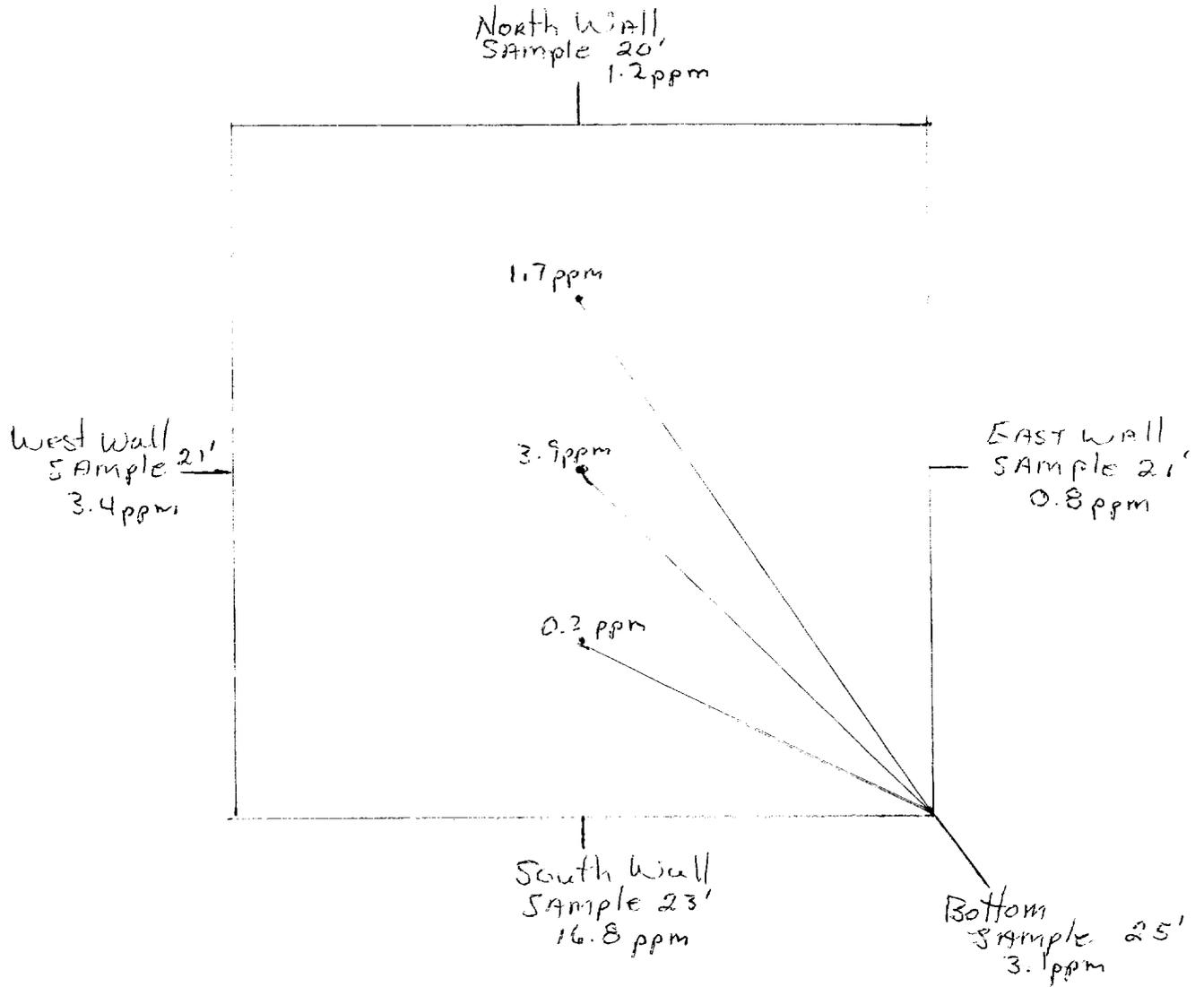
Site DRAWING



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	S - Spike Recovery outside accepted recovery limits
ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
B - Analyte detected in the associated Method Blank	Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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
 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

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

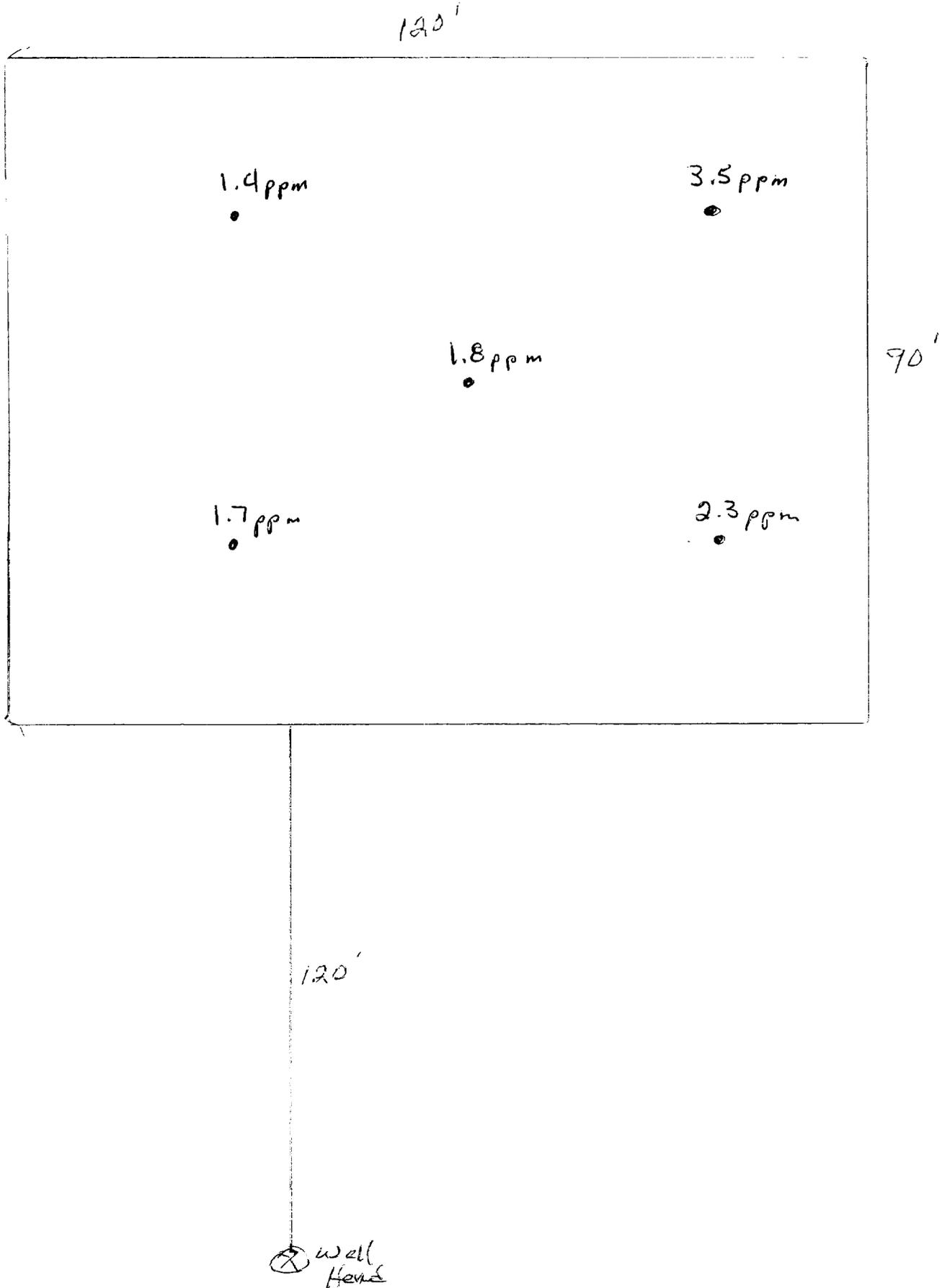
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

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 <input checked="" type="checkbox"/>	Approx. cubic yards: 602
Composted <input type="checkbox"/>	
Other <input type="checkbox"/>	
Depth to Ground Water: (pts.) 0	Final Closure Sampling: Sampling Date: 8/17/98 Time 063j Sampling Results: Field Headspace (ppm) 3.5 TPH (ppm) 78 Method 8015 Other _____
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	
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 <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON): use as Backfill	
SIGNED: Kent M... DATE: 9-9-98	

MEADWELL L-12
R. 34 T. 25N R. 5W Unit J
AUGUS

Land farm



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:

PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
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