

RANKING SCORE (TOTAL POINTS) : 

Date Remediation Started: 10-5-98 Date Completed: 12/15/98

Remediation Method: Excavation X Approx. Cubic Yards 152

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 152

Other _____

Remediation Location: Onsite X Offsite _____

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removal of contaminated soil from all four sidewalls and bottom as to get a below 100 ppm head space reading.
Final excavation dimensions: 14'(N+S) x 14'(E+W) x 21' @

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South, and West sidewalls and a three point composite of the bottom.

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

Sample depth 21'

Sample date 10-5-98 Sample time 1145

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 9.8 (wall) 0.0 (bottom) Ethylbenzene (ppb) _____

TPH N/D 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 10-20-98 PRINTED NAME Ray Haston

SIGNATURE Ray Haston AND TITLE Environmental Technician

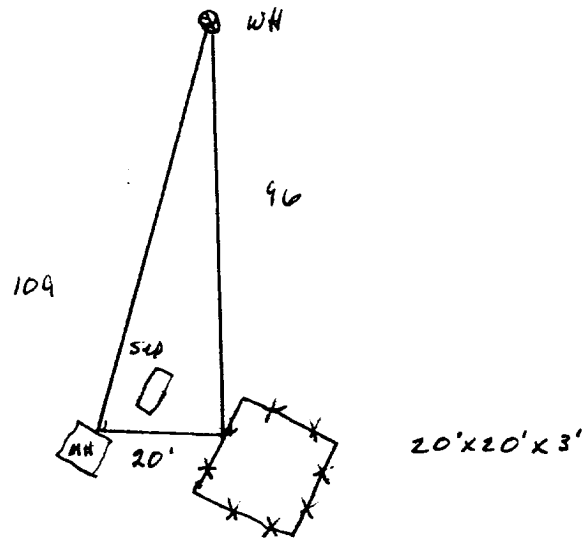
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kurt M. ... DATE: 11-2-98

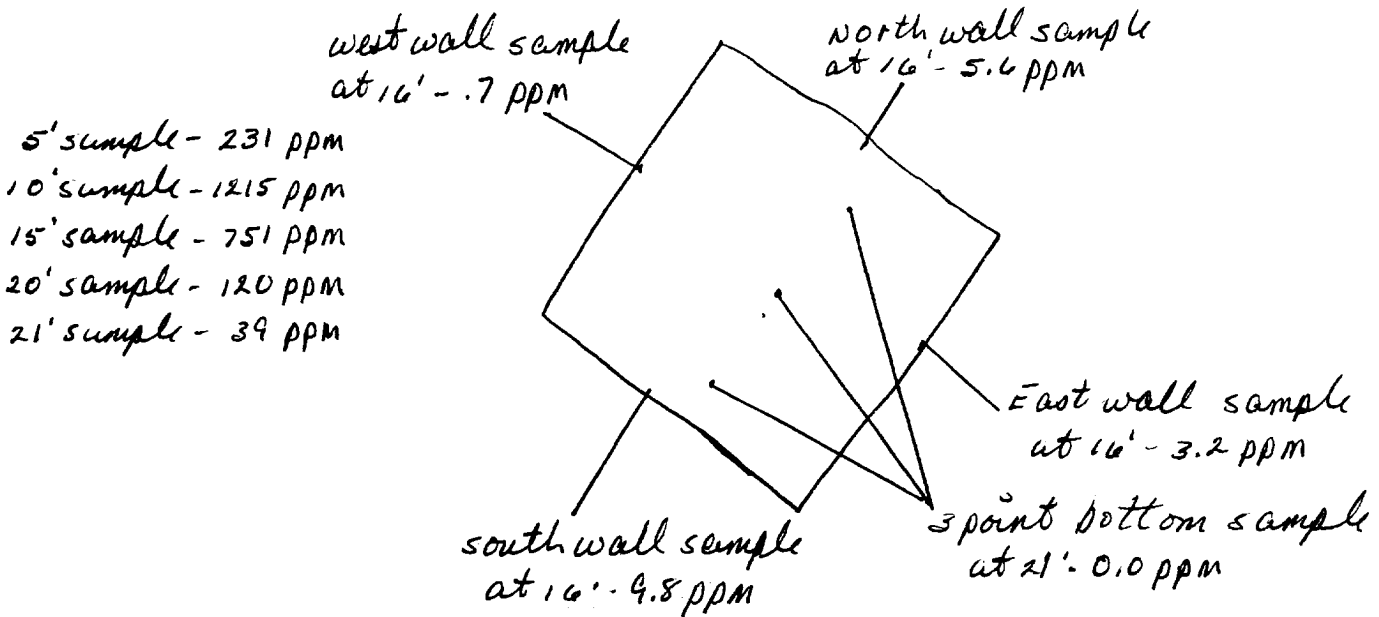
Jicarilla J19
 (L) 35-26N-5W
 Burlington
 10-5-97

↑
 N



Excavation Sampling

14'(N+S) x 14'(E+W) x 21' (D)



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 19-Oct-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9810025

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: 19-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J19
Work Order:	9810025	Client Sample ID:	9810051145; 3pt. Comp Bottom
Lab ID:	9810025-03A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	10/5/98 11:45:00 AM
		COC Record:	5758

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/13/98

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: 19-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J19
Work Order:	9810025	Client Sample ID:	9810051150; 4pt. Comp Walls
Lab ID:	9810025-04A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	10/5/98 11:50:00 AM
		COC Record:	5758

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/13/98

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 -

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 (Burlington) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla J19
Location: Unit: L Sec. 35 T. 26 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 10-5-98 Date Completed: 11-28-98
Remediation Method: Landfarmed X Approx. cubic yards 152
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: 11-16-98 Time 1159
Sampling Results:
Field Headspace (ppm) 3.8
TPH (ppm) 34 Method 8015
Other

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

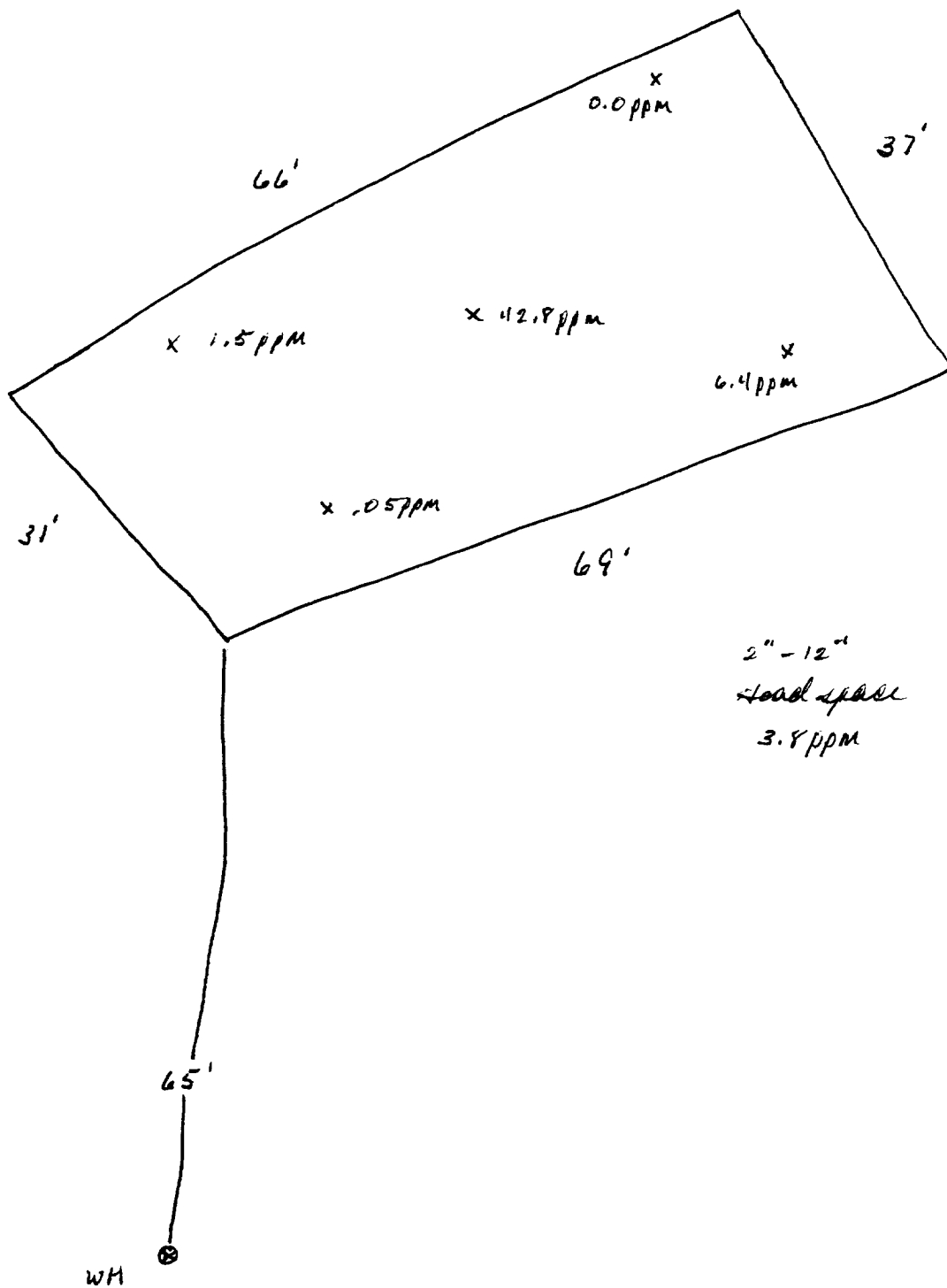
DATE 12-4-98 PRINTED NAME ~~Ray Burnham~~ Ray Haston
SIGNATURE *Ray Haston* AND TITLE Environmental Technician II

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: *Ken C. M...* DATE: 12-15-98

Jicovilla J14
(L) 35-26N-5W
Burlington
152 yds.

N
↑



2" - 12"
Load space
3.8 ppm

NOT to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Nov-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9811056

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: 24-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-19 LF
Work Order:	9811056	Client Sample ID:	9811161159 6pt Composite
Lab ID:	9811056-07A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/16/98 11:59:00 AM
		COC Record:	7402

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	34	25		mg/Kg	1	11/23/98

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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -