

OK

Denny E. Zett

DEPUTY OIL & GAS INSPECTOR JICARILLA APACHE TRIBE

FEB 08 1999

ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (TAURUS) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: JICARILLA N-3

Location: Unit: C Sec. 4 T. 24 N R. 5 W County Rio Arriba

Pit Type: Separator Dehydrator X Other

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20' width 20' depth 3'

(Attach diagram) Reference: wellhead X other

Footage from reference: 105

Direction from reference: 45 Degrees East North X
X West South

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet	(20 points)	
50 feet to 99 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 1,000 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 200 feet	(20 points)	
200 feet to 1,000 feet	(10 points)	
Greater than 1,000 feet	(0 points)	0

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downgradient streams having a width of at least 10 feet)

Less than or equal to 100 feet	(10 points)	
Greater than 100 feet	(0 points)	0

Distance to Nearest Lake, Playa, or Watering Pond:

(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)

Less than or equal to 100 feet	(10 points)	
Greater than 100 feet	(0 points)	0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 7/2/98 Date Completed: 7/28/98

Remediation Method: Excavation X Approx. Cubic Yards 231

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 231

Other _____

Remediation Location: Onsite X Offsite _____

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

General Description of Remedial Action:

Removed Contaminated Soil from all four side walls
as to get a below 100 ppm headspace reading. Bottom
is sandstone rock 2 ft. from bottom of pit bottom.
Excavation size 25'x25'x10'

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 10'

Sample date 7/2/98 Sample time 1120

Sample Results

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

Total BTEX (ppm) 0.6426 Toluene (ppb) _____

Field headspace (ppm) 906 Ethylbenzene (ppb) _____

TPH ND 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 7/1/98

PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham

AND TITLE Environmental Technician II

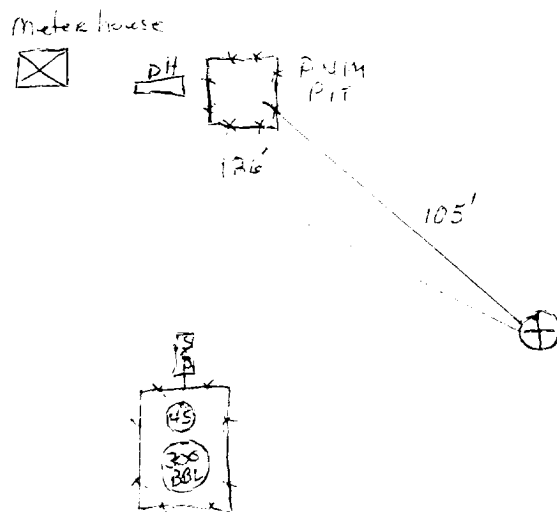
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kent C. Marshall DATE: 7-28-98

Jicapilla A-3
Sec-4 T-24N R 6W Unit-C

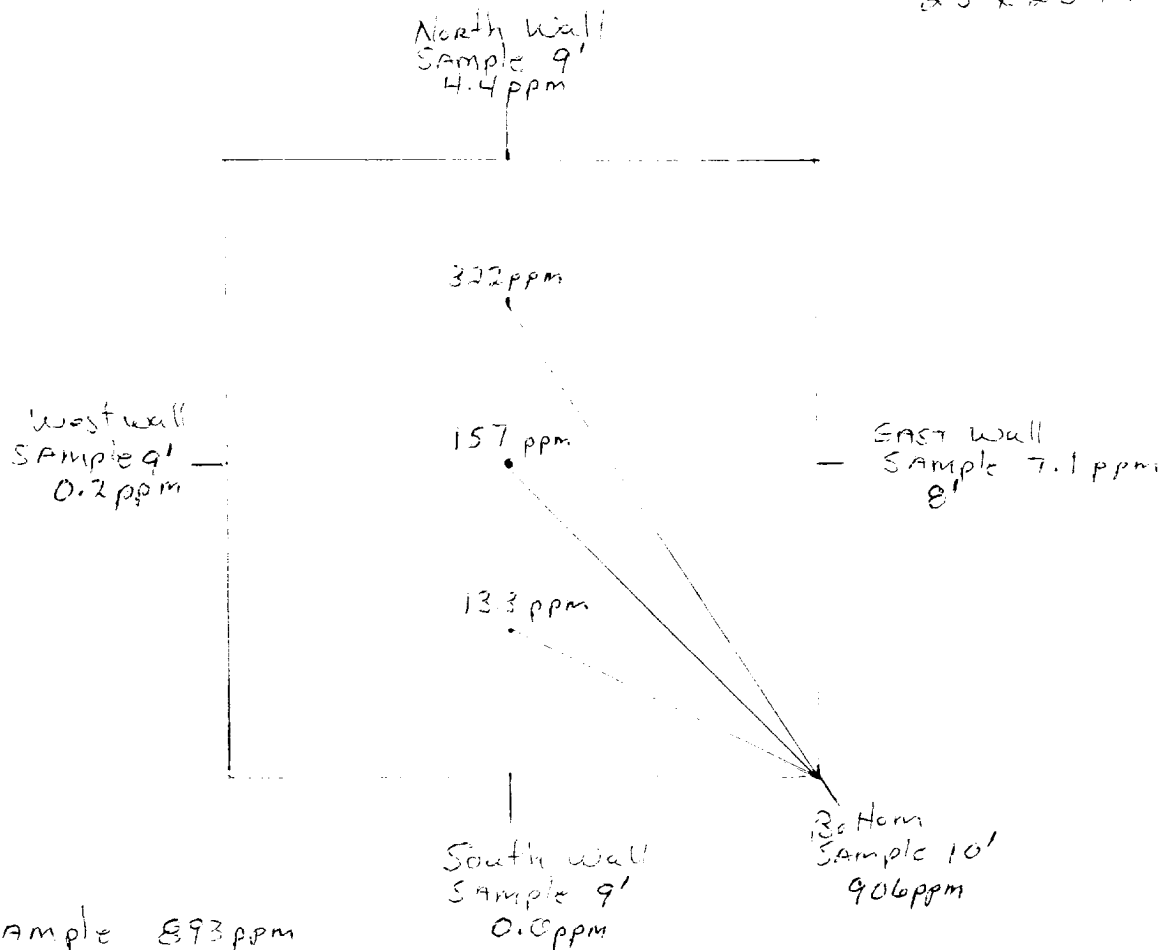
Site Drawing



Jicarilla N-3
Sec-4 T-24N R-5W unit C
TAURUS

EXCAVATION DRAWING

25' x 25' x 10'



5' sample 893 ppm
10' sample 331 ppm
Bottom 10' sample 322 ppm
10' sample 157 ppm
10' sample 13.3 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla N-3

Lab Order: 9807011

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:** 10-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jcarilla N-3
Work Order:	9807011	Client Sample ID:	9807021121; 3pt. Comp Bottom
Lab ID:	9807011-02A	Matrix:	SOIL
Project:	Jicarilla N-3	Collection Date:	7/2/98 11:21:00 AM
		COC Record:	5644

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/8/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	2		µg/Kg	2	7/4/98
Toluene	4.6	4		µg/Kg	2	7/4/98
Ethylbenzene	38	2		µg/Kg	2	7/4/98
m,p-Xylene	460	4		µg/Kg	2	7/4/98
o-Xylene	140	2		µg/Kg	2	7/4/98

642.60
= 642.6 ppm

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

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- TECHNOLOGY IN ACTION -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 10-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla N-3
Work Order:	9807011	Client Sample ID:	9807021120; 4pt. Comp Walls
Lab ID:	9807011-01A	Matrix:	SOIL
Project:	Jicarilla N-3	Collection Date:	7/2/98 11:20:00 AM
		COC Record:	5644

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/8/98

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

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Surr: - Surrogate

1 of 1

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Telephone: (505) 325-5667 Fax: (505) 325-5668

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NATURAL
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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 N-3
Location: Unit: 0 Sec. 4 T. 24 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7-2-98 Date Completed: 7/23/98
Remediation Method: Landfirmed ☒ Approx. cubic yards 231
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: 7/21/98 Time 0923
Sampling Results:
Field Headspace (ppm) 22.7
TPH (ppm) ND Method 805
Other

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

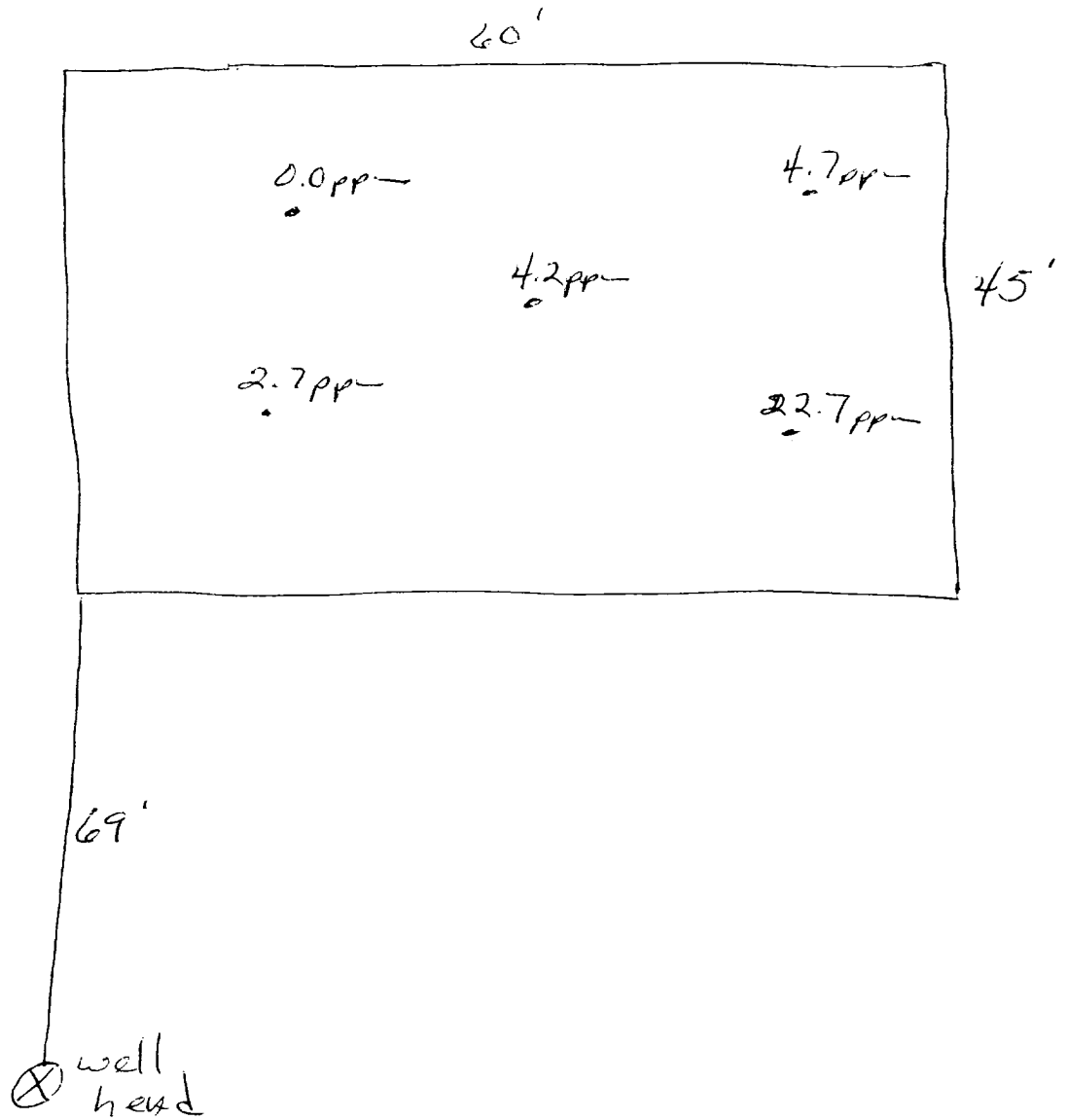
DATE 7/28/98 PRINTED NAME Roy Burnham
SIGNATURE Roy Burnham AND TITLE Environmental Technician II

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

APPROVED: YES ☒ NO ☐ (REASON) use as Backfill
SIGNED: [Signature] DATE: 7-28-98

Jicarilla N-3
Sec 4 T24N R5W Unit O
TAURUS

Land farm



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 23-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807060

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 N-3 LF
Work Order:	9807060	Client Sample ID:	9807210923; 5pt. Comp.
Lab ID:	9807060-03A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/21/98 9:23:00 AM
		COC Record:	7317

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/22/98

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

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