

DEPUTY OIL & GAS INSPECTOR

FEB 08 1993

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

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: JICARILLA APACHE TRIBAL 151-7E DRIP #2

Location: Unit: D Sec. 4 T. 26 N R. 5 W County Rio Arriba

Pit Type: Separator Dehydrator Other Line Drip

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 21' width 21' depth 3'

(Attach diagram) Reference: wellhead other DRIP RISER

Footage from reference: 20'

Direction from reference: Due Degrees X East of North
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)	Ø

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)	Ø

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)	Ø

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)	Ø

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)	Ø

RANKING SCORE (TOTAL POINTS):

Ø

Date Remediation Started: 6/9/98 Date Completed: 7/28/98

Remediation Method: Excavation X Approx. Cubic Yards 420

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 420

Other _____

Remediation Location: Onsite _____ Offsite ARIZONA JICARILLA B-7

(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 solid sandstone rock. 3 point composite sample of
Pit bottom excavation size 45'x28'x9'

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 9'

Sample date 6/10/98 Sample time 0946

Sample Results

Soil: Benzene (ppm) 0.820 Water: Benzene (ppb) _____

Total BTEX (ppm) 14.25 Toluene (ppb) _____

Field headspace (ppm) 1086 Ethylbenzene (ppb) _____

TPH ²⁵ 145 ⁴⁴ 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 6/27/98 PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham AND TITLE Environmental Technician II

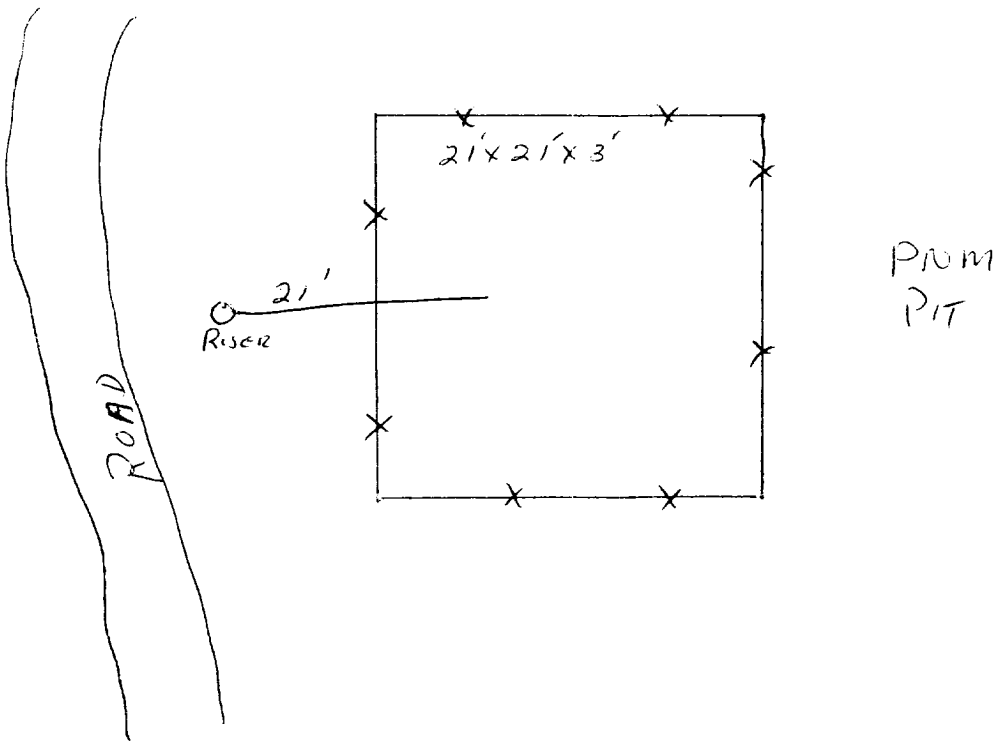
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Ken C. Mamm DATE: 6-29-98

JICARILLA Apache Tribal SITE DRIP #2
Sec 4 T26N R5W Unit D
WFS

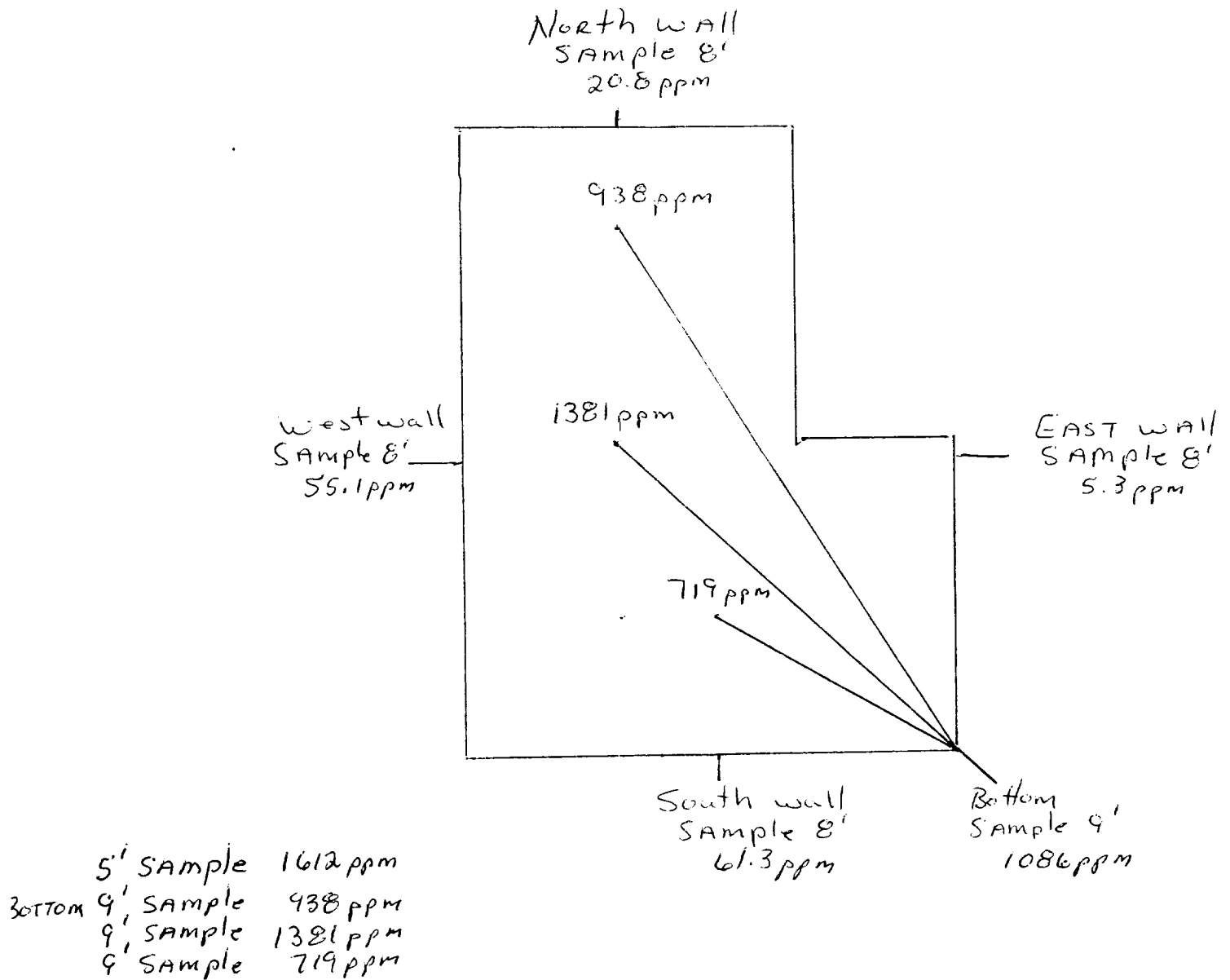
SITE DRAWING



Jicarilla Apache Tribal 151-7E DRIP # 2
Sec-4 T26N R5W UNIT D
WFS

45' x 28' x 9'

EXCAVATION DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Jun-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9806038

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

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT**Date:** 17-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jic. Apache Tribal 151-7E Drip #2
Work Order:	9806038	Client Sample ID:	9806100946; 3pt. Comp. Bottom
Lab ID:	9806038-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	6/10/98 9:46:00 AM
		COC Record:	7163

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	25	25		mg/Kg	1	6/16/98
BTEX		SW8020A				Analyst: DC
Benzene	820	50		µg/Kg	50	6/14/98
Toluene	6000	100		µg/Kg	50	6/14/98
Ethylbenzene	730	50		µg/Kg	50	6/14/98
m,p-Xylene	5500	100		µg/Kg	50	6/14/98
o-Xylene	1200	50		µg/Kg	50	6/14/98

14,250
14.25 pp-

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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 17-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jic. Apache Tribal 151-7E Drip #2
Work Order:	9806038	Client Sample ID:	9806100945; 4pt. Comp. Walls
Lab ID:	9806038-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	6/10/98 9:45:00 AM
		COC Record:	7163

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/11/98

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P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGIES, LTD. (505) 325-1556 FAX (505) 325-1557

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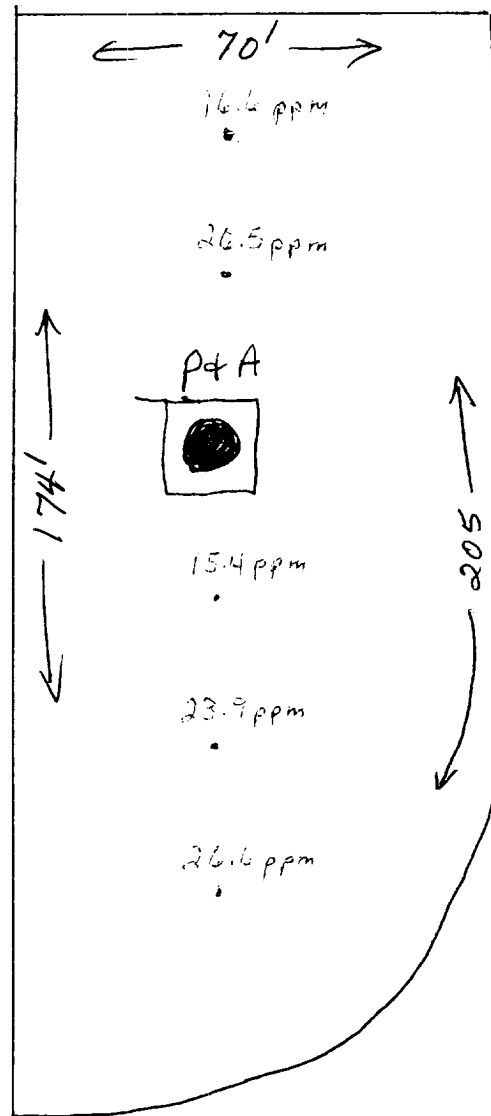
SUBMIT 1 COPY TO
NATURAL
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AND OIL-GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (WFS)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Jicarilla Apache Tribal 151-7E Drip #2</u>	
Location: Unit: <u>D</u> Sec. <u>4</u> T. <u>26</u> N R. <u>5</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>6/9/98</u> Date Completed: <u>7/14/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>420</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</u> Distance to an Ephemeral Stream: (pts.) <u>0</u> Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u> Wellhead Protection Area: (pts.) <u>0</u> Distance to Surface Water: (pts.) <u>0</u> Ranking Score (Total Points): <u>0</u>	Final Closure Sampling: Sampling Date: <u>7/7/98</u> Time <u>1030</u> Sampling Results: Field Headspace (ppm) <u>26.6</u> TPH (ppm) <u>ND</u> Method <u>8015</u> Other <u> </u>
<p>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF</p> <p>DATE <u>7/14/98</u> PRINTED NAME <u>Roy Burnham</u></p> <p>SIGNATURE <u>Roy Burnham</u> AND TITLE <u>Environmental Technician II</u></p>	
<p>AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE</p> <p>APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u>use as Backfill</u></p> <p>SIGNED: <u>Keith C. Marshall</u> DATE: <u>7-28-98</u></p>	

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JICARILLA APACHE TRIBAL 151-7E DRIP #2
WILLIAMS FIELD SERVICES
UNIT D SEC 4 T26N R5W
LAND FARM DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 14-Jul-98

CLIENT: PNM - Public Service Company of NM
Project: Landfarms
Lab Order: 9807019

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: 14-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jic. Apache Tribal 151-7E Drip #2
Work Order:	9807019	Client Sample ID:	9807071030; 5pt. Comp
Lab ID:	9807019-03A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	7/7/98 10:30:00 AM
		COC Record:	7262

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/14/98

Qualifiers:

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