

W. J. G. 7-10-19
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

FEB 08 1952

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (*Conoco*) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Ny. 17, Pachie 0-14

Location: Unit: N Sec. 10 T. 25N R. 4 W County Rio Arriba

Pit Type:	Separator	<input checked="" type="checkbox"/>	Dehydrator	<input type="checkbox"/>	Other	<input type="checkbox"/>
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Land Type: Jicarilla Apache

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

(Attach diagram) Reference: wellhead χ other

Footage from reference: 130'

Direction from reference: straight Degrees 0 East of North
 West of South

Depth to Ground Water:

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

Less than 50 feet	(20 points)	<u>0</u>
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	

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) 4
No (0 points)

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)	<i>C</i>

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)	(7)

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)

RANKING SCORE (TOTAL POINTS) : 1

Date Remediation Started: 11/4/98 Date Completed: 12/28/98

Remediation Method: Excavation X Approx. Cubic Yards 67

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 67

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 100ppm headspace reading. Pit bottom is sandstone. 3 ft composite of bottom
Final excavation: 25' X 24' X 3'.

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 3'

Sample date 11/4/98 Sample time 1310/1311

Sample Results

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

Total BTEX (ppm) ND Toluene (ppb) _____

Field headspace (ppm) 1663 Ethylbenzene (ppb) _____

TPH ND ppm Method GC/MS 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 11/21/98

PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham

AND TITLE Environmental Technician II

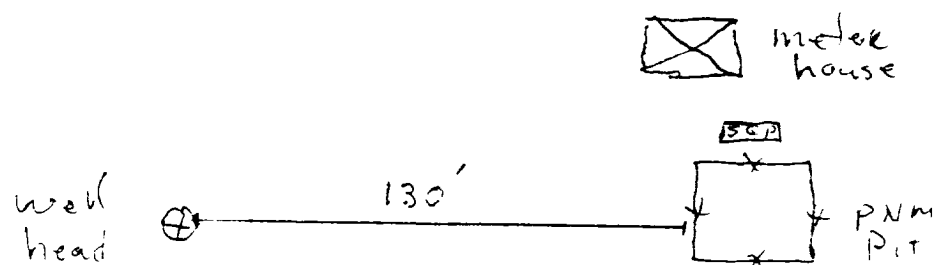
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Ken C Mammillo DATE: 11-30-98

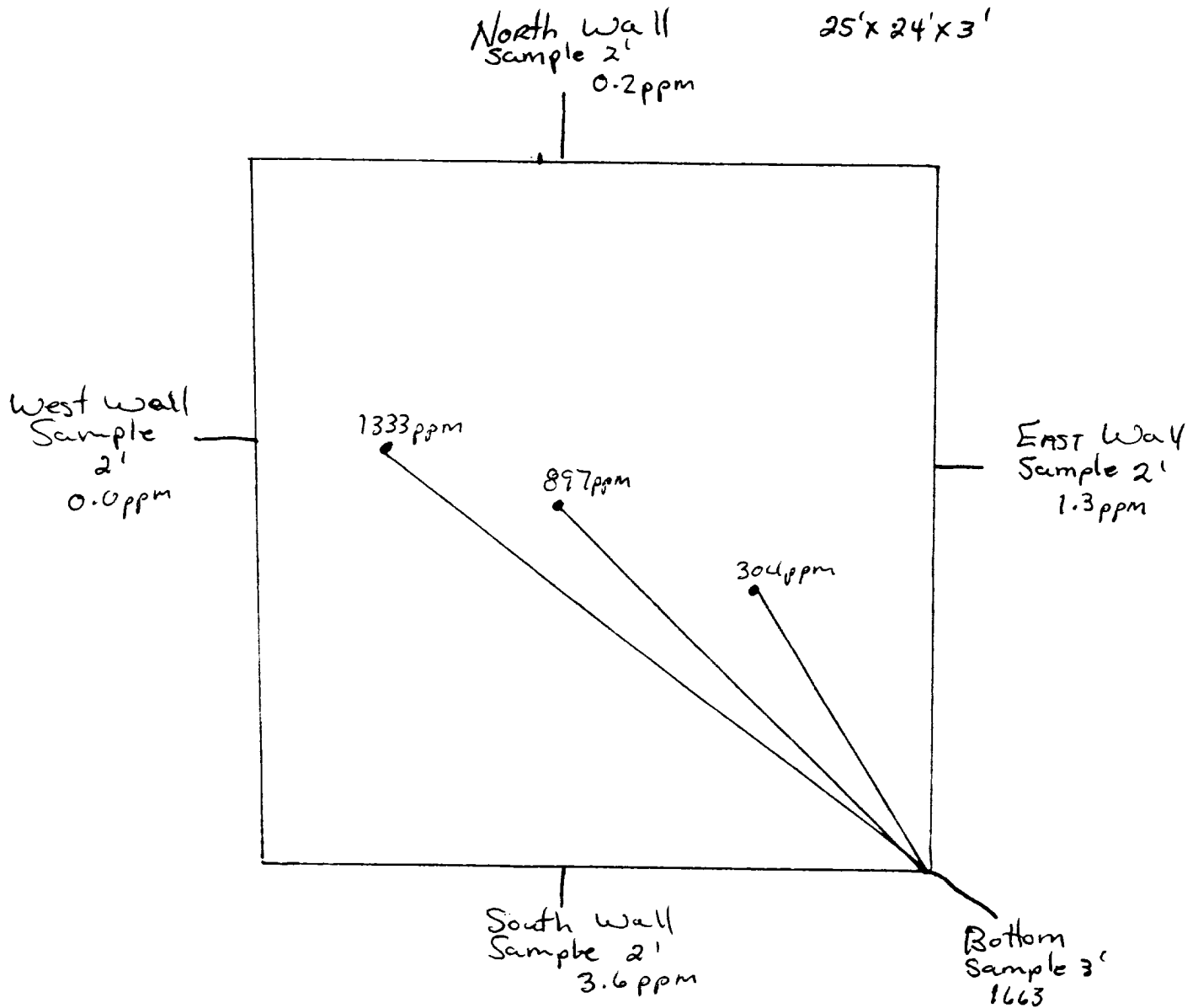
Ax1 Apache C-14
Sec-10 T-25N R-4W 44 N
600000

Site Drawing



At: Apache 0-14
Sec-10 T25N R-4W
Conoco

Excavation Drawing



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 16-Nov-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9811029

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: 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O-14
Work Order:	9811029	Client Sample ID:	9811041311; 3pt Comp Bottom
Lab ID:	9811029-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/4/98 1:11:00 PM
		COC Record:	7362

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/15/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	500		µg/Kg	500	11/10/98
Toluene	ND	1000		µg/Kg	500	11/10/98
Ethylbenzene	ND	500		µg/Kg	500	11/10/98
m,p-Xylene	ND	1000		µg/Kg	500	11/10/98
o-Xylene	ND	500		µg/Kg	500	11/10/98

3500

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
- Surrogate - Surrogate

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O-14
Work Order:	9811029	Client Sample ID:	9811041310; 4pt Comp Walls
Lab ID:	9811029-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/4/98 1:10:00 PM
		COC Record:	7362

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/15/98

Qualifiers:

PQL - Practical Quantitation Limit

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

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TECHNOLOGY REPORT NUMBER: 98-11029-01A

1 of 1

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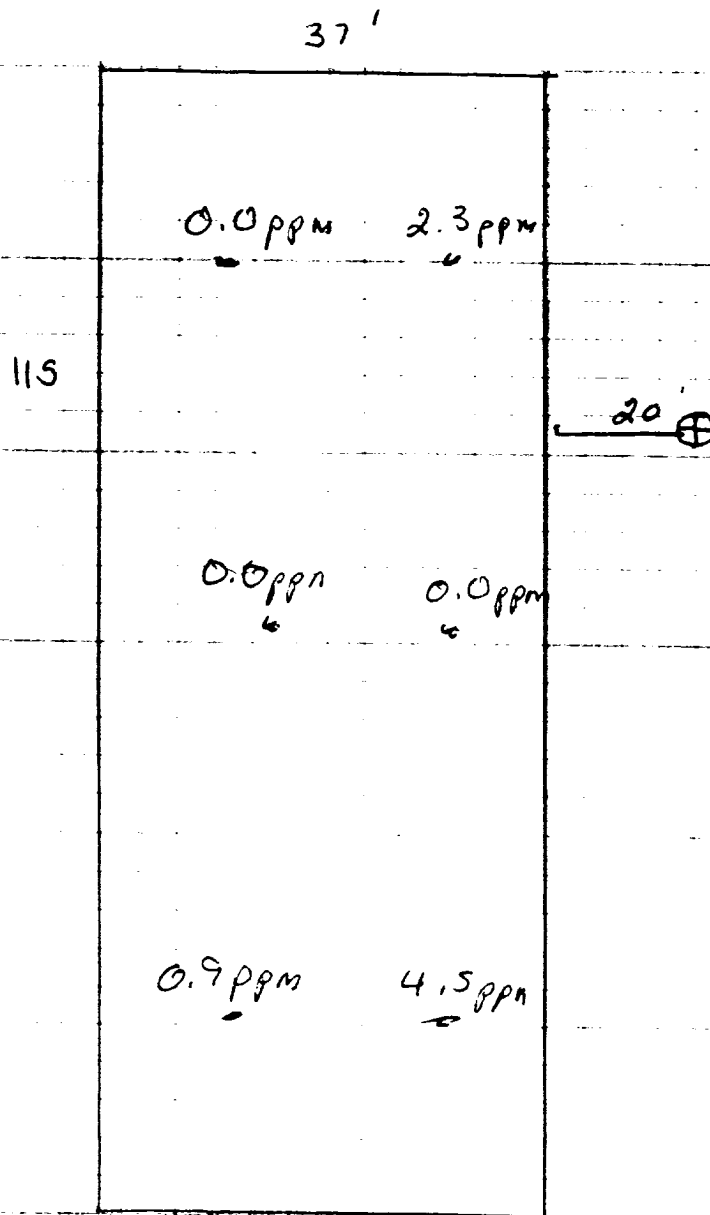
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (Conoco)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Ax Apache 0-14</u>	
Location:	Unit: <u>N</u> Sec. <u>10</u> T. <u>25 N</u> R. <u>4 W</u> County <u>Rio Arriba</u>
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>11/4/98</u> Date Completed: <u>12/14/98</u>	
Remediation Method: Landfilled <u>X</u> Approx. cubic yards <u>67</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>Ø</u> Distance to an Ephemeral Stream: (pts.) <u>Ø</u> Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>Ø</u> Wellhead Protection Area: (pts.) <u>Ø</u> Distance to Surface Water: (pts.) <u>Ø</u> Ranking Score (Total Points): <u>Ø</u>	Final Closure Sampling: Sampling Date: <u>12/9/98</u> Time <u>1050</u> Sampling Results: Field Headspace (ppm) <u>4.5</u> TPH (ppm) <u>ND</u> Method <u>8015</u> Other <u> </u>
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>12/21/98</u> PRINTED NAME <u>Roy Burnham</u>	
SIGNATURE <u>Roy Burnham</u> AND TITLE <u>Environmental Technician II</u>	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u>use as Back fill</u>	
SIGNED: <u>Ken C. M...</u> DATE: <u>12-28-98</u>	

Av: Apache 0-14
Sec-10 T25N R-4W 44 N
Conoco

LANDFARM DRAWING



Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Dec-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation
Lab Order: 9812018

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: 17-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O-14 LF
Work Order:	9812018	Client Sample ID:	9812091050 6pt Composite
Lab ID:	9812018-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	12/9/98 10:50:00 AM
		COC Record:	7450

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/14/98

Qualifiers:

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- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
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- E - Value above quantitation range
- Sum - Surrogate

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