

DEPUTY OIL & GAS INSPECTOR

FEB 6 8 1948

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 (Canaco) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Ax, Apache O-16

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

Pit Type: Separator X Dehydrator Other

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 25' width 20' depth 3'

(Attach diagram) Reference: wellhead χ other

Footage from reference: 100'

Direction from reference: 10° Degrees X East —————> North X
of
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)

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)

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)

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)

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) : *2*

Date Remediation Started: 11/3/98 Date Completed: 12/21/98

Remediation Method: Excavation X Approx. Cubic Yards 65

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 65

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 readings. Pit bottom is sandstone. 3 Pt composite of Pit bottom
Final excavation: 22' X 20' X 4'.

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 4'

Sample date 11/3/98 Sample time 0916/0917

Sample Results

Soil: Benzene (ppm) N/D Water: Benzene (ppb) _____

Total BTEX (ppm) 1.45 Toluene (ppb) _____

Field headspace (ppm) 1638 Ethylbenzene (ppb) _____

TPH N/D 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 _____

PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham

AND TITLE Environmental Technician II

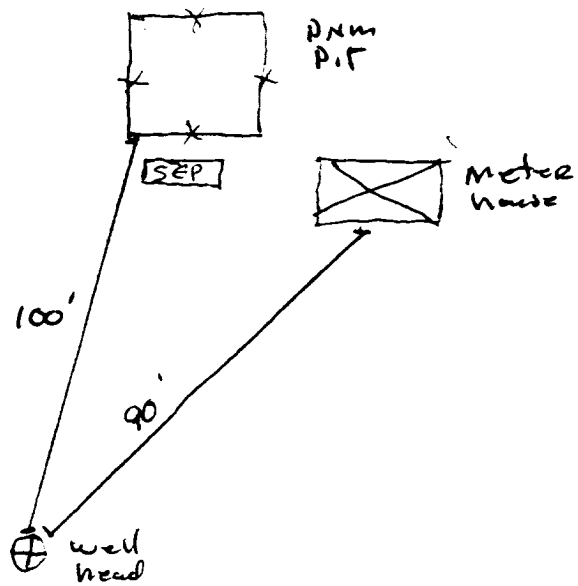
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kurt M... DATE: 11-30-98

At: Apache 0-16
Sec-10 T-25N R-4W UL D
Conoco

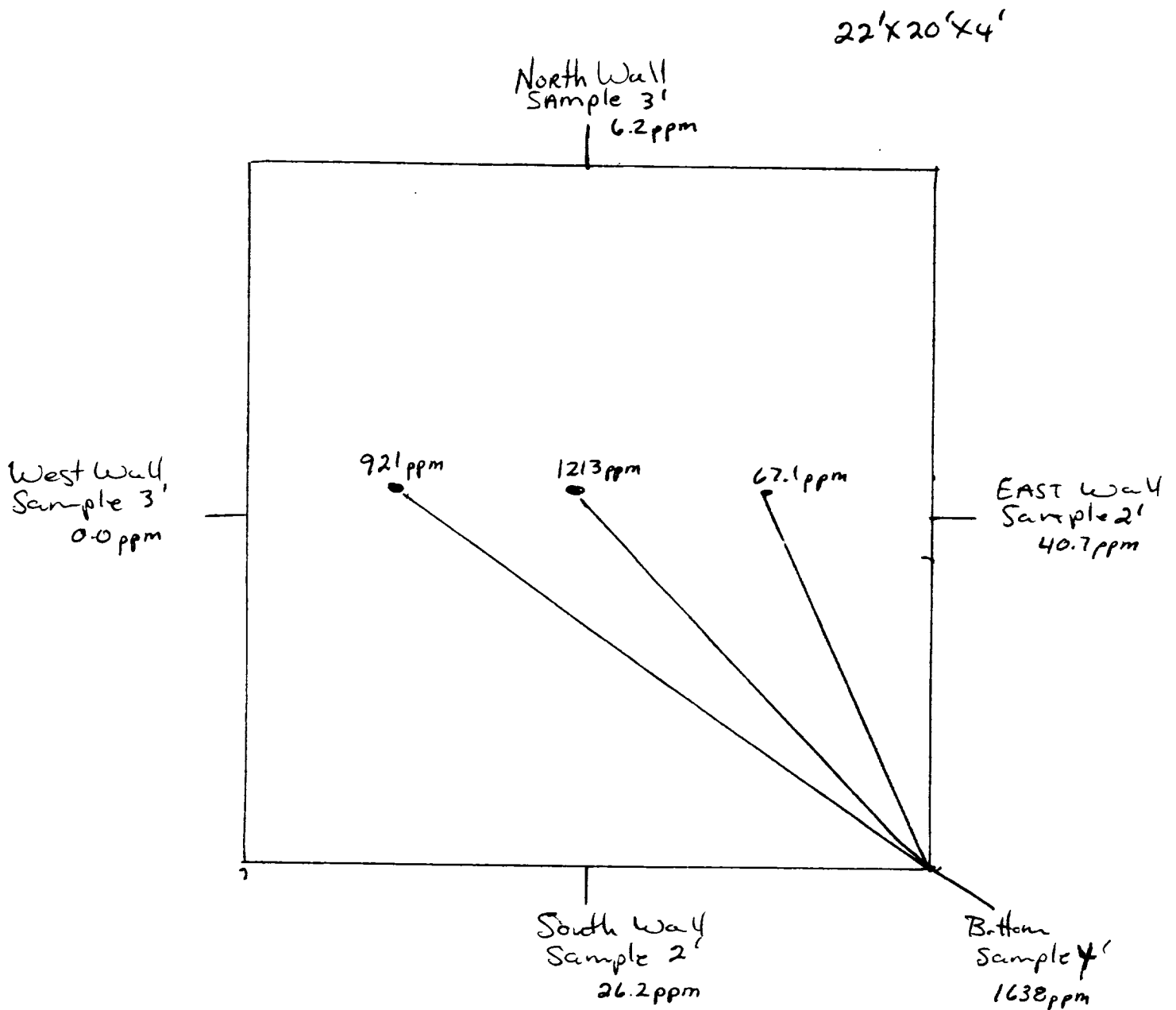
Site Drawing



Not to Scale

Axi Apache O-16
Sec-10 T-25N R-4W ULD
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: 9811030

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-16
Work Order:	9811030	Client Sample ID:	9811030917; 3pt Comp Bottom
Lab ID:	9811030-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/3/98 9:17:00 AM
		COC Record:	7361

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/14/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	25		µg/Kg	25	11/10/98
Toluene	ND	50		µg/Kg	25	11/10/98
Ethylbenzene	160	25		µg/Kg	25	11/10/98
m,p-Xylene	1100	50		µg/Kg	25	11/10/98
o-Xylene	190	25		µg/Kg	25	11/10/98

1450.
1.450 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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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-16
Work Order:	9811030	Client Sample ID:	9811030916; 4pt Comp Walls
Lab ID:	9811030-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/3/98 9:16:00 AM
		COC Record:	7361

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/14/98

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

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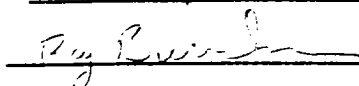
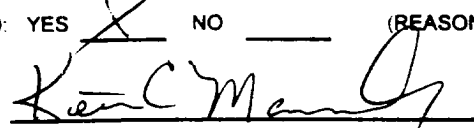
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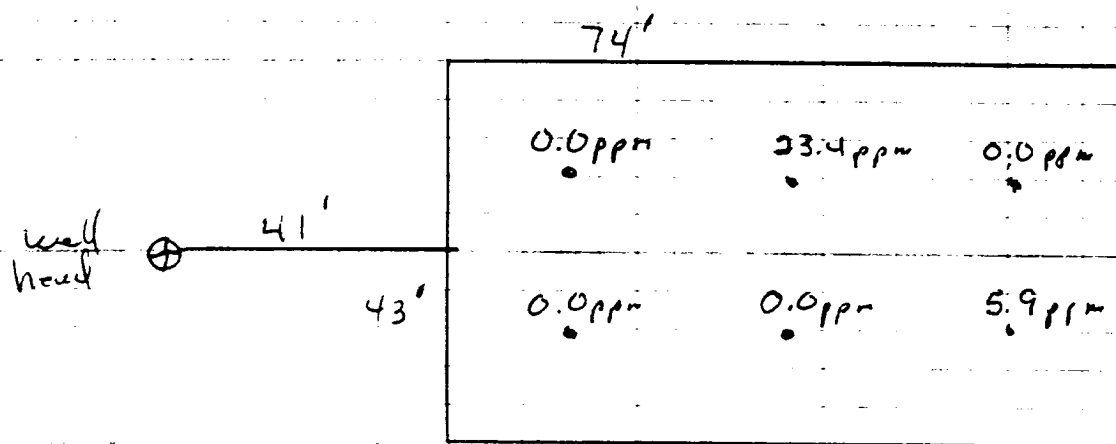
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

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>Arc Apache C-16</u>	
Location: Unit: <u>D</u> Sec. <u>10</u> T. <u>25N</u> R. <u>4</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>11/3/98</u> Date Completed: <u>12/11/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>65</u> Composted _____ Other _____	
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>12/9/98</u> Time <u>0853</u> Sampling Results: Field Headspace (ppm) <u>234</u> TPH (ppm) <u>N/D</u> Method <u>8015</u> Other _____
<p>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF</p> <p>DATE <u>12/17/98</u> PRINTED NAME <u>Roy Burnham</u></p> <p>SIGNATURE <u></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 _____ (REASON) _____</p> <p>SIGNED: <u></u> DATE: <u>12-21-98</u></p>	

At Apache O-16
Sec-10 T-25N R-4W 46-0
Conoco

LANDFARM DRAWING



Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9812016

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: 15-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O-16 LF
Work Order:	9812016	Client Sample ID:	9812090853 6pt Composite
Lab ID:	9812016-07A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	12/9/98 8:53:00 AM
		COC Record:	7448

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/11/98

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
- Sum - Surrogate

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