

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

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

RECEIVED
APR 29 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

Operator: PNM Gas Services (CONOCO)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Axi Apache N10			
Location:	Unit <u> L </u>	Sec <u> 2 </u>	T <u> 25 N </u> R <u> 4 W </u> County <u> Rio Arriba </u>
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other _____
Land Type: Jicarilla Apache			
Pit Location:		Pit dimensions: Length <u> 32 ' </u> Width <u> 16 ' </u> Depth <u> 3 ' </u>	
(Attach diagram)		Reference: Wellhead <input checked="" type="checkbox"/> Other _____	
		Footage from reference: <u> 94' </u>	
		Direction from reference: <u> 90 </u> degrees <input checked="" type="checkbox"/> East or <input checked="" type="checkbox"/> North	
		<input type="checkbox"/> West <input type="checkbox"/> South	
Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>		<u> Less than 50 feet </u> 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points) <u> 0 </u>
Wellhead Protection Area: <small>(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)</small>		Yes No	(20 points) (0 points) <u> 0 </u>
Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>		Less than 200 feet 200 feet to 1,000 feet Greater than 100 feet	(20 points) (10 points) (0 points) <u> 0 </u>
Distance to Ephemeral Stream (dry wash): <small>(Horizontal distance to all downgradient streams having a width of at least 10 feet)</small>		Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points) <u> 0 </u>
Distance to Nearest Lake, Playa, or Watering Pond: <small>(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)</small>		Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points) <u> 0 </u>
RANKING SCORE (TOTAL POINTS):			<u> 0 </u>

Date Remediation Started: 11/9/98

Date Completed: 1/14/99
Approx. Cubic Yards 2053.46 P# 1251

Remediation Method: Excavation

(Check all appropriate sections) Landfarmed

Amount Landfarmed (cubic yds) 183.46

Other 1680 RAD staged on location awaiting final disposition. 190 cu yds Clean Overburden

Remediation Location: Onsite
(i.e., landfarmed onsite, name and location of offsite facility)

Offsite Material farmed at Jic. LF 3+9
1680 cu. yds.

General Description of Remedial Action:
Removal of contaminated soil from all four sidewalls, as to get a below 100 ppm head space reading.
Excavation bottom depth is in excess of 30'.

Final excavation dimensions: 40'(N&S)X36.5'(E&W)X31'(D)

Ground Water Encountered: No Yes Depth _____

Final Pit Closure Sampling: Sample Location Composite of North, East, South, and West sidewalls and a three point composite of bottom.

(If multiple samples, attach sample result and diagram of sample locations and depths.)
Sample depth 31'
Sample date 11/16/98 Sample time 1000 0955

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____
Total BTEX (ppm) 0.1347 Toluene (ppb) _____
Field headspace (ppm) 134 Ethylbenzene (ppb) _____
TPH (ppm) ND Method 8015 Total Xylenes (ppb) _____

Vertical Extent (ft) >31' Risk Analysis form attached: Yes No

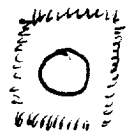
Ground Water Sample: Yes No (If yes, see attached Groundwater Site Summary Report)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF.
DATE: 12-5-98 PRINTED NAME Ray Haston
SIGNATURE Ray Haston TITLE Environmental Tech. III

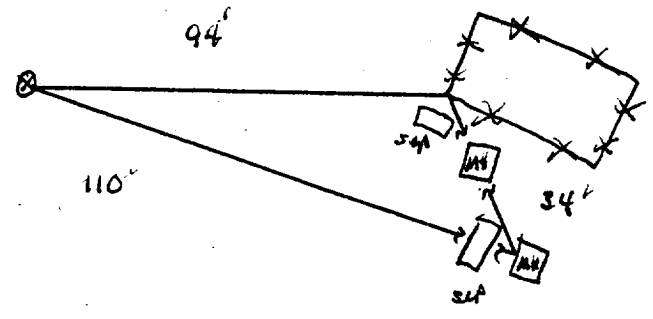
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE:
APPROVED: YES NO (REASON): _____
SIGNATURE: Ken C. M...ll DATE: 12-15-98

ПХИ ПРАСНЕ НИ
 (2) 2-250-4W
 CONOCO
 11-9-48

N



32' x 16' x 3'



Excavation Sampling

48'(N+S) x 36.5'(E+W) x 31'(D)

- 5' sample - 432 ppm
- 10' sample - 649 ppm
- 15' sample - 650 ppm
- 20' sample - 604 ppm
- 25' sample - 712 ppm
- 30' sample - 435 ppm

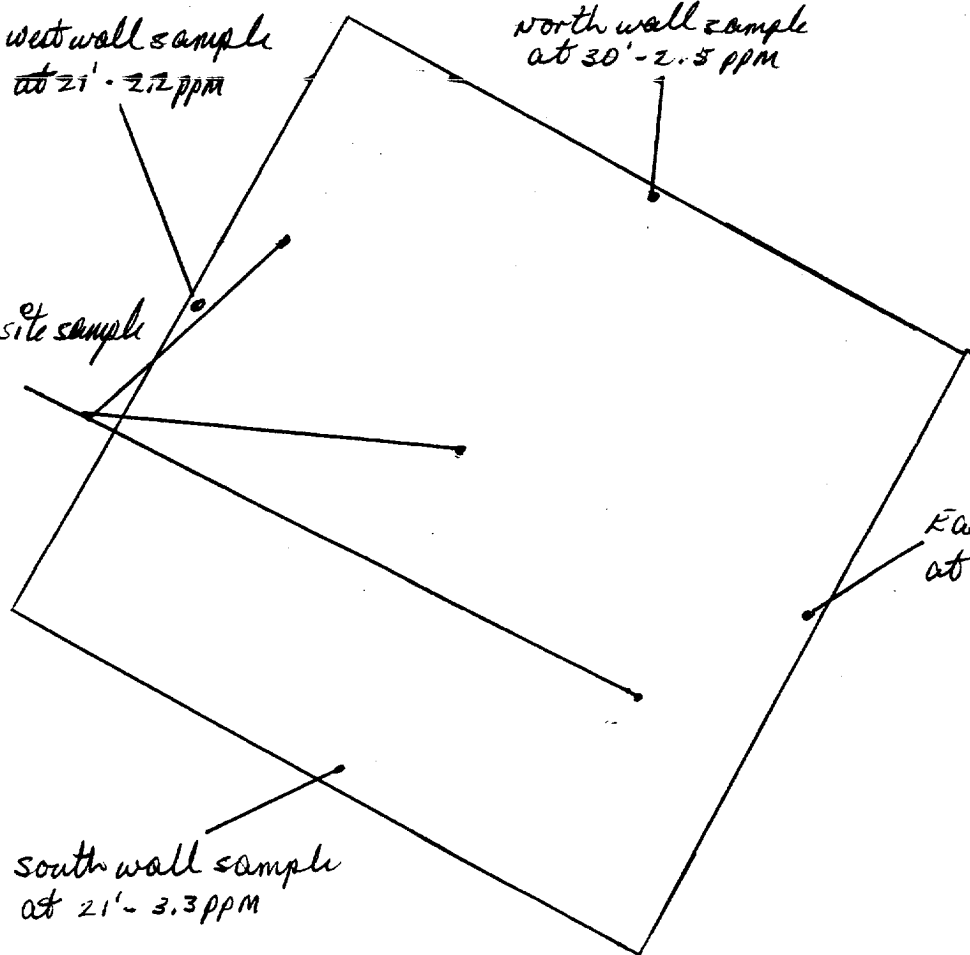
west wall sample
at 21' - 2.2 ppm

north wall sample
at 30' - 2.5 ppm

3 point bottom composite sample
at 31' 134 ppm

East wall sample
at 30' - 2.8 ppm

south wall sample
at 21' - 3.3 ppm



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 02-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9811073

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: 02-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N10
Work Order:	9811073	Client Sample ID:	9811160955; 3pt. Comp. Bottom
Lab ID:	9811073-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/16/98 9:55:00 AM
		COC Record:	5775

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/25/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	2		µg/Kg	2	11/24/98
Toluene	6	4		µg/Kg	2	11/24/98
Ethylbenzene	6.7	2		µg/Kg	2	11/24/98
m,p-Xylene	84	4		µg/Kg	2	11/24/98
o-Xylene	38	2		µg/Kg	2	11/24/98

134.7
.1347 ppm

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



ANALYTICAL REPORT

Date: 02-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N10
Work Order:	9811073	Client Sample ID:	9811161000; 4pt. Comp. Walls
Lab ID:	9811073-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/16/98 10:00:00 AM
		COC Record:	5775

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

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

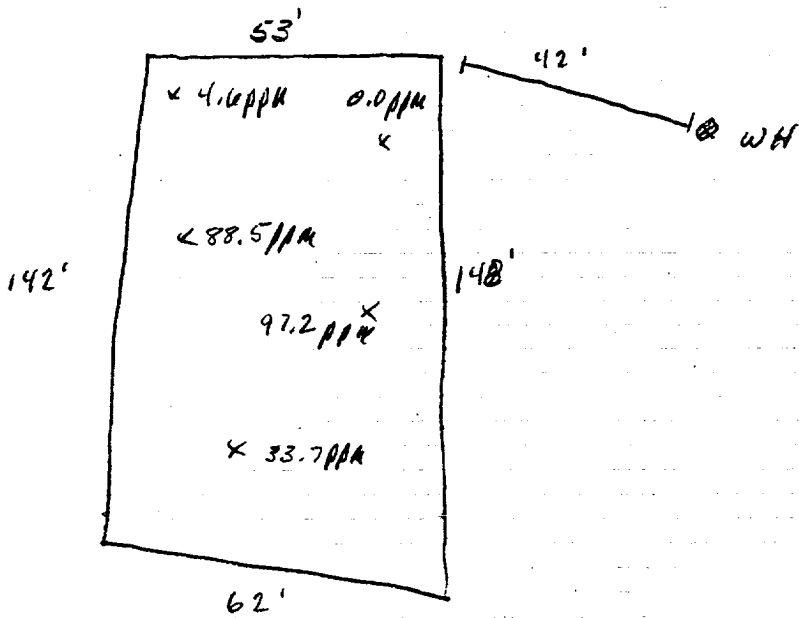
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DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (<u>CONOCO</u>) Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache N10</u>	
Location: Unit: <u>L</u> Sec. <u>2</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>11-9-98</u>	Date Completed: <u>12-11-98</u>
Remediation Method: Landfarmed <input checked="" type="checkbox"/>	Approx. cubic yards <u>183.46</u>
Composted <input type="checkbox"/>	
Other <input type="checkbox"/>	
Depth to Ground Water: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>12-4-98</u> Time <u>0806</u> Sampling Results: Field Headspace (ppm) <u>99.3</u> TPH (ppm) <u>65</u> Method <u>8015</u> Other _____
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>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>12-16-98</u>	PRINTED NAME <u>Roy Burnham Ray Haston</u>
SIGNATURE <u>Ray Haston</u>	AND TITLE <u>Environmental Technician III</u>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) <u>use as Backfill</u>	
SIGNED: <u>K-C M</u>	DATE: <u>12-21-98</u>

Azi Apache N10
(L) 2-25N-4W
CONOCO



2" 12"
head space 99.3 ppm

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 N-10 LF
Work Order:	9812016	Client Sample ID:	9812090806 6pt Composite
Lab ID:	9812016-05A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	12/9/98 8:06:00 AM
		COC Record:	7448

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	65	25		mg/Kg	1	12/11/98

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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -