

DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

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 (Concepcion) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Axi Apache N-6

Location: Unit: P Sec. 1 T. 25 N R. 4 W County Rio Arriba

Pit Type: Separator Dehydrator Other

Land Type: Jicarilla Apache

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

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 45'

Direction from reference: 10° Degrees 1 East of North _____
West of South 1

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)

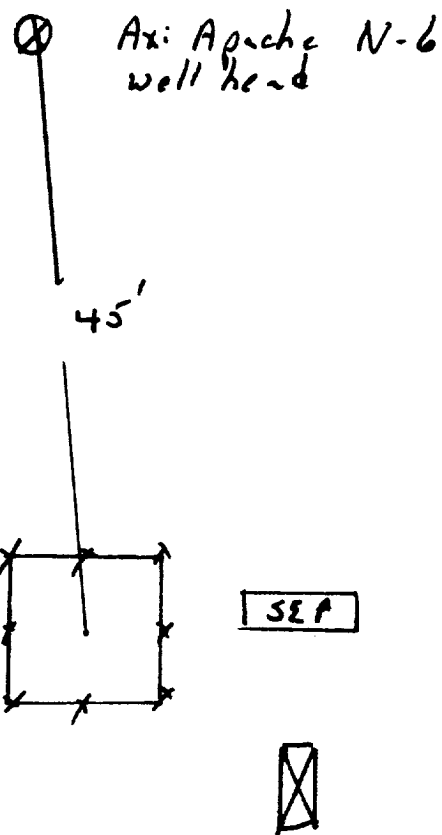
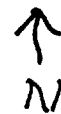
RANKING SCORE (TOTAL POINTS) :

Date Remediation Started: <u>11/13/98</u>		Date Completed: <u>12/20/98</u> ^{RAD} <u>11/13/98</u>	
Remediation Method:	Excavation <u>X</u>	Approx. Cubic Yards	<u>100</u>
	Landfarmed <u>X</u>	Amount Landfarmed (cubic yds):	<u>100</u>
	Other _____		
Remediation Location:	Onsite <u>X</u>	Offsite	_____
	(i.e., landfarmed onsite, name and location of offsite facility)		
General Description of Remedial Action:			
<u>Removed contaminated soil from 4 side wall and bottom to a below 100 ppm head space reading.</u>			
<u>Excavated pit 17'x14'x10'</u>			
Ground Water Encountered: No <u>X</u> Yes _____ Depth _____			
Final Pit Closure Sampling: (if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample Location <u>North wall, East wall, South wall, West wall</u>		
	Sample depth <u>10'</u>		
	Sample date <u>11/13/98</u> Sample time <u>1150</u>		
	Sample Results		
	Soil: Benzene (ppm) _____		Water: Benzene (ppb) _____
	Total BTEX (ppm) _____		Toluene (ppb) _____
	Field headspace (ppm) <u>27.6 ppm</u>		Ethylbenzene (ppb) _____
	TPH <u>ND</u> ppm Method <u>TPH-8015</u>		Total Xylenes (ppb) _____
	Ground Water Sample: Yes _____ No <u>✓</u> (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 <u>11/13/98</u>		PRINTED NAME <u>Gary Cook</u>	
SIGNATURE <u>Gary Cook</u>		AND TITLE <u>Environmental Technician III</u>	
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.			
APPROVED: YES <u>X</u> NO _____ (REASON): _____			
SIGNED: <u>Ker C M...</u>		DATE: <u>12-15-98</u>	

Axi Apache N-6
Conoco
Sec. 1, 25N, 4W, P

11/13/98

site diagram:



not to scale

Ax: Apache N-6
Conoco
Sec. 1, 25N, 4W, P

11/13/92

North Wall

• @ 6'
3.1 ppm

South Wall

• @ 6'
Φ ppm

East Wall

• @ 6'
1.1 ppm

West Wall

• @ 6'
- 90 ppm

Bottom

• 1.8 ppm

• 3.2 ppm

• Φ ppm

@ 10'

3 point Comp. 27.6 ppm
head space reading

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 19-Nov-98

CLIENT: PNM - Public Service Company of NM

Project: Axi Apache N-6

Lab Order: 9811048

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: 19-Nov-98

Client: PNM - Public Service Company of NM
Work Order: 9811048
Lab ID: 9811048-01A **Matrix:** SOIL
Project: Axi Apache N-6

Client Sample Info: Axi Apache N-6
Client Sample ID: 9811131150; Bottom @ 10ft.
Collection Date: 11/13/98 11:50:00 AM
COC Record: 7427

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/17/98

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
Surr: - Surrogate

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 19-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N-6
Work Order:	9811048	Client Sample ID:	9811131155; Walls @ 6ft.
Lab ID:	9811048-02A	Matrix:	SOIL
Project:	Axi Apache N-6	Collection Date:	11/13/98 11:55:00 AM
		COC Record:	7427

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/17/98

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
- Surr: - Surrogate

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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Conoco) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Axi Apache N-6
Location: Unit: P Sec. 1 T. 25 N R. 4 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 11-13-98 Date Completed: 11/13/98 12/28/98
Remediation Method: Landfarmed X Approx. cubic yards 100
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: 12/9/98 Time 1230
Sampling Results:
Field Headspace (ppm) 6.1 ppm
TPH (ppm) ND Method TPH-8015
Other —

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

DATE 12/21/98 PRINTED NAME ~~Ray Burham~~ Gary Cook
SIGNATURE Mary Cook 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 X NO — (REASON) use as Backfill
SIGNED: K-C M DATE: 12-28-98

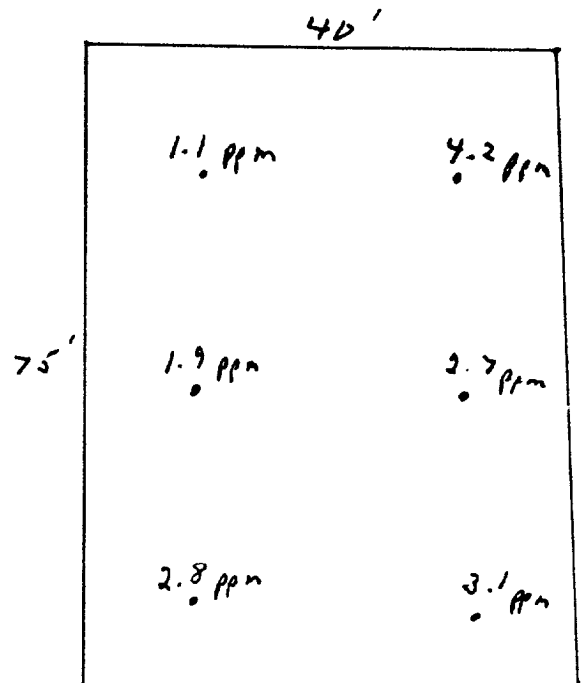
Axi Apache N-6
Conoco
Sec. 1, 25N, 4W, P

11/13/98

↑
N

Landfarmed: On location

⊗ Axi Apache N-6
Well head



2"-12" depth

Soil vapor head space = 6.1 ppm

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: 9812019

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

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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 N-6 LF
Work Order:	9812019	Client Sample ID:	9812091225 6pt Composite
Lab ID:	9812019-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	12/9/98 12:25:00 PM
		COC Record:	7451

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:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

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