

ENVIRONMENTAL INSPECTOR

JAN 28 1997

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 (Bayless) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Axi Apache C-3
Location: Unit: M Sec. 34 T. 24 N R. 5 W County Rio Arriba
Pit Type: Separator Dehydrator Other Drip
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20' width 17' depth 4'
(Attach diagram) Reference: wellhead X other
Footage from reference: 90'
Direction from reference: 75 Degrees East North
 West South

Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation or ground water)	Less than 50 feet (20 points)	<u> </u>
	50 feet to 99 feet (10 points)	<u> </u>
	Greater than 100 feet (0 points)	<u> </u>
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)	<u> </u>
	No (0 points)	<u> </u>
Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points)	<u> </u>
	200 feet to 1,000 feet (10 points)	<u> </u>
	Greater than 1,000 feet (0 points)	<u> </u>
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)	<u> </u>
	Greater than 100 feet (0 points)	<u> </u>
Distance to Nearest Lake, Playa, or Watering Pond: (Horizontal distance to all downgradient lakes, playes, and livestock or wildlife water ponds)	Less than or equal to 100 feet (10 points)	<u> </u>
	Greater than 100 feet (0 points)	<u> </u>
RANKING SCORE (TOTAL POINTS):		<u> </u>

RECEIVED
JAN 24 1997
OIL & GAS
DIST. 3

Date Remediation Started:

9/30/96

Date Completed:

11-11-96

Remediation Method:

Excavation

X

Approx. Cubic Yards

50

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

50

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
175 to get 12 below 100 ppm head space reading.
Bottom was solid sand stone rock.

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 and West
side walls

Sample depth

4'

Sample date

9/30/96

Sample time

1405

Sample Results

Soil: Benzene (ppm)

<0.0002

Water: Benzene (ppb)

Total BTEX (ppm)

0.0728

Toluene (ppb)

Field headspace (ppm)

41.7

Ethylbenzene (ppb)

TPH

<5.0

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

10/4/96

PRINTED NAME

Ronald A. Dedrick

SIGNATURE

Ronald A. Dedrick

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

/

NO _____

(REASON): _____

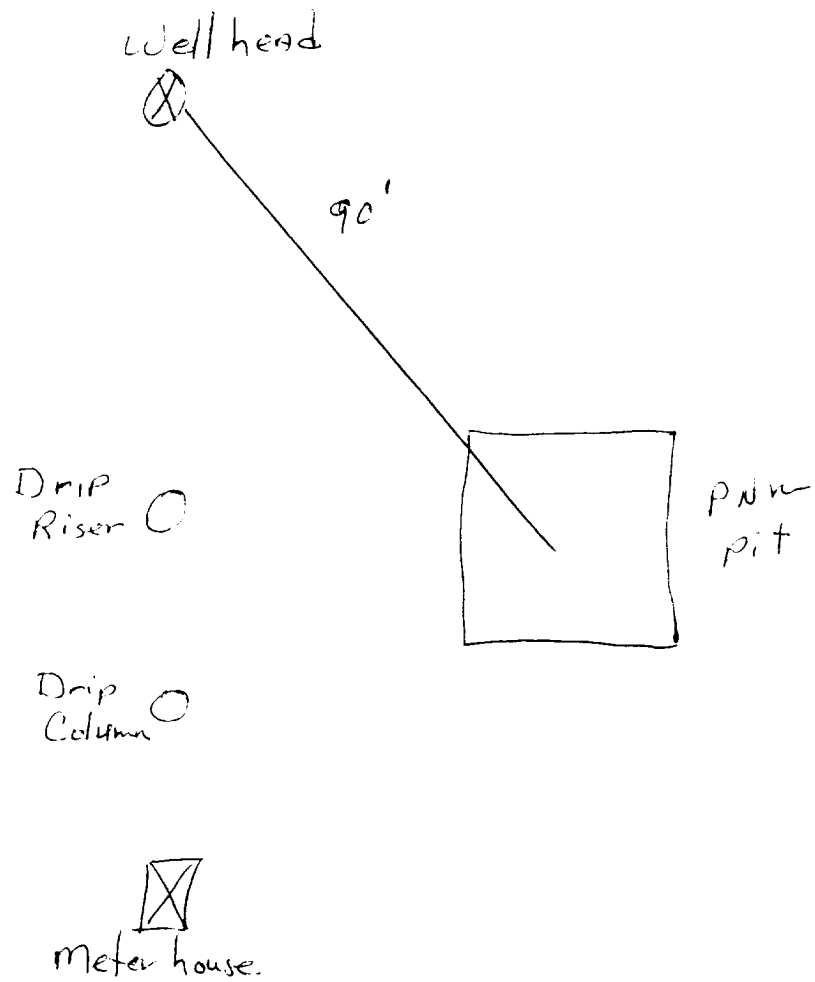
SIGNED:

Daniel Julian

DATE:

10/7/96

Ax1 Apache C-3
Sec 34 T24N R5W
Bayless



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *2-Oct-96*
COC No.: *5321*
Sample No. *12418*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Axi Apache C-3 Run 116***
Project Location: ***9609301405; 4pt. Composite***
Sampled by: EP Date: *30-Sep-96* Time: *14:05*
Analyzed by: DC/BV Date: *2-Oct-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i><5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: *0489-QC*

Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>100</i>	<i>100</i>	<i>0.2</i>	<i>15%</i>

Matrix Spike

<i>Parameter</i>	<i>1- Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>99</i>	<i>100</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*

Date: *10/2/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *2-Oct-96*
COC No.: *5321*
Sample No.: *12418*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Axi Apache C-3 Run 116*
Project Location: *9609301405; 4pt. Composite*
Sampled by: *EP* Date: *30-Sep-96* Time: *14:05*
Analyzed by: *DC* Date: *2-Oct-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	<0.2	ug/kg	0.2	ug/kg
Toluene	29.0	ug/kg	0.2	ug/kg
Ethylbenzene	10.1	ug/kg	0.2	ug/kg
m,p-Xylene	14.1	ug/kg	0.2	ug/kg
o-Xylene	19.5	ug/kg	0.2	ug/kg
TOTAL		72.8		ug/kg

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
Date: *10/2/96*

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ENVIRONMENTAL
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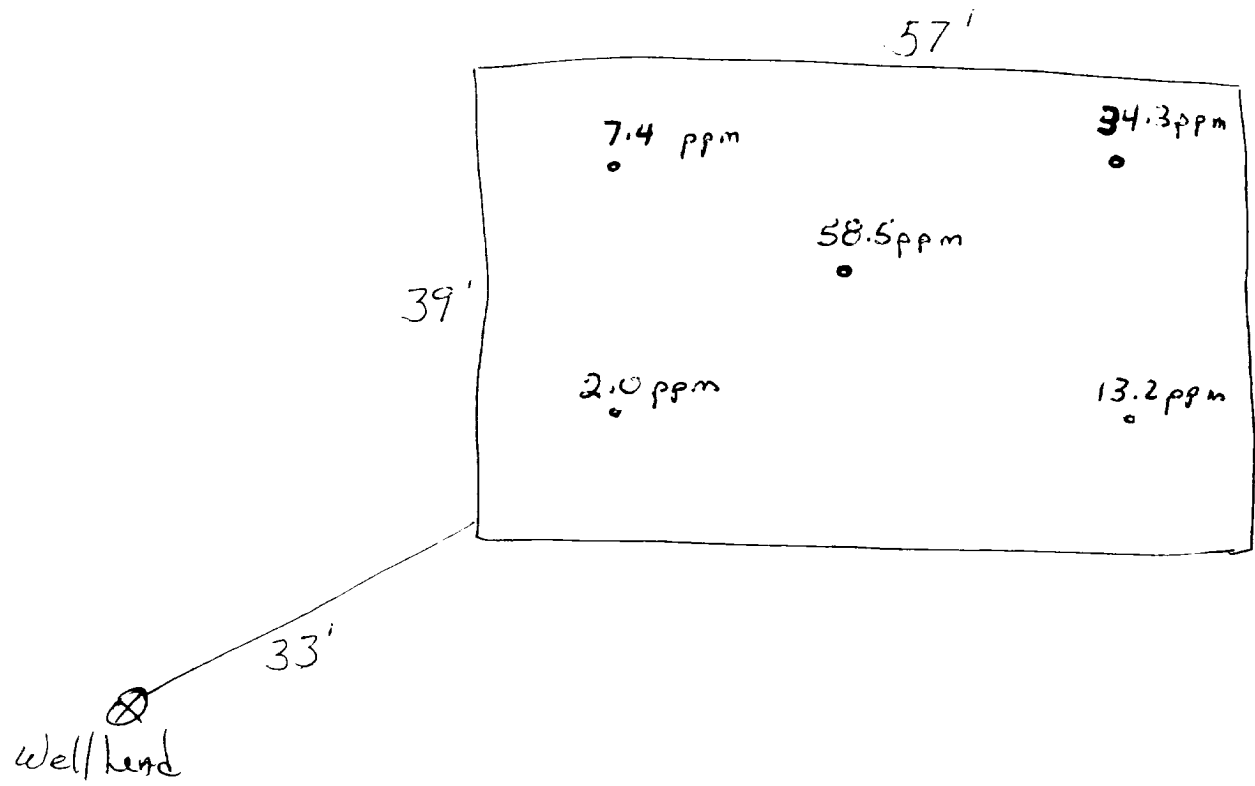
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Bayless) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Axi Apache C-3	
Location: Unit: m Sec. 34 T. 24 N R. 5 W County Rio Arriba	
Land Type: Jicarilla Apache	
Date Remediation Started: 9/30/94 Date Completed: 10/22/96	
Remediation Method: Landfarmed X Approx. cubic yards 50 Composted Other	
Depth to Ground Water: (pts.) 0	Final Closure Sampling: Sampling Date: 10/22/96 Time 1653 Sampling Results: Field Headspace (ppm) 58.5 TPH (ppm) <5.0 Method 8015 Other
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	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE 10/22/96 PRINTED NAME Roy Burnham	
SIGNATURE Roy Burnham 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)	
SIGNED: Ken C. Mammill DATE: 10-28-96	

Axi Apache C-3
Sec. 34 T24N R5W
Bayless

Land farm



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *24-Oct-96*
COC No.: *5381*
Sample No. *12672*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Axi Apache C-3 Landfarm Run 116***
Project Location: ***9610221653; 5pt. Composite***
Sampled by: *RB* Date: *22-Oct-96* Time: *16:53*
Analyzed by: *DC/HR* Date: *24-Oct-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i><5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0489-QC

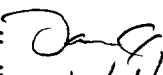
Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>100</i>	<i>96</i>	<i>4.4</i>	<i>15%</i>

Matrix Spike

<i>Parameter</i>	<i>1 - Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>95</i>	<i>97</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: 
Date: *10/24/96*

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