

Denny & Co.
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL & GAS
ADMINISTRATION

OCT 28 1997

P.O. BOX 507
DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: PNM Gas Services (Conoco) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Axi Apache K-3
Location: Unit: A Sec. 9 T 26 N R 5 W County Rio Arriba
Pit Type: Separator X Dehydrator Other
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 23' width 22' depth 7'
(Attach diagram) Reference: wellhead X other
Footage from reference: 72'
Direction from reference: 20 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)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 0

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) 0

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) 0

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downstream streams having a width of at least 10 feet)

Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) 0

Distance to Nearest Lake, Playa, or Watering Pond:

(Horizontal distance to all downstream lakes, playas, and livestock or wildlife water ponds)

Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

RECEIVED
JUL 31 1997

OIL CON. DIV.
DIST. 3

Date Remediation Started:

6/3/97

Date Completed:

7/10/97

Remediation Method:

Excavation

☒

Approx. Cubic Yards

131

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds):

131

Other _____

Remediation Location:

Onsite

☒

Offsite _____

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contamination soil from all four side walls and bottom of pit as to get a below 100 ppm head space reading.

Ground Water Encountered:

No

☒

Yes _____

Depth _____

Final Pit Closure Sampling:

Sample Location

North, East, South, West and Bottom of pit

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth

7'

Sample date

6/3/97

Sample time

1524

Sample Results

Soil: Benzene (ppm) _____

Water: Benzene (ppb) _____

Total BTEX (ppm) _____

Toluene (ppb) _____

Field headspace (ppm)

9.7

Ethylbenzene (ppb) _____

TPH ND ppm

Method

8015

Total Xylenes (ppb) _____

Ground Water Sample:

Yes _____

No

☒

(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

6/12/97

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):

2

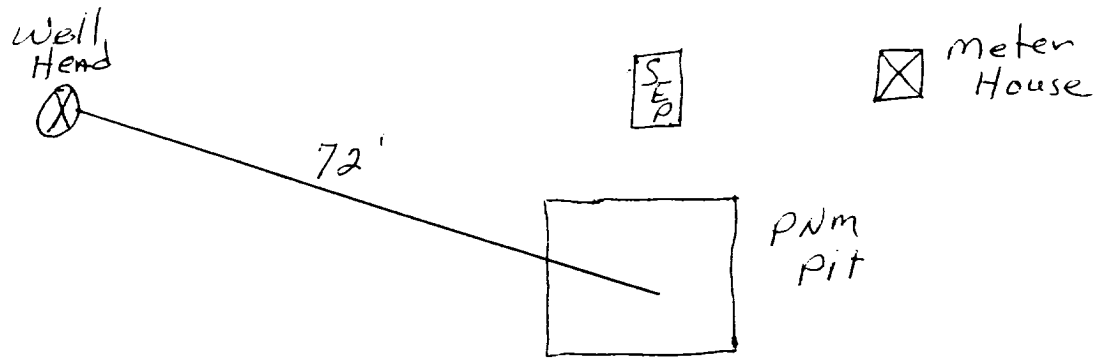
SIGNED:

Ken C Mamm

DATE:

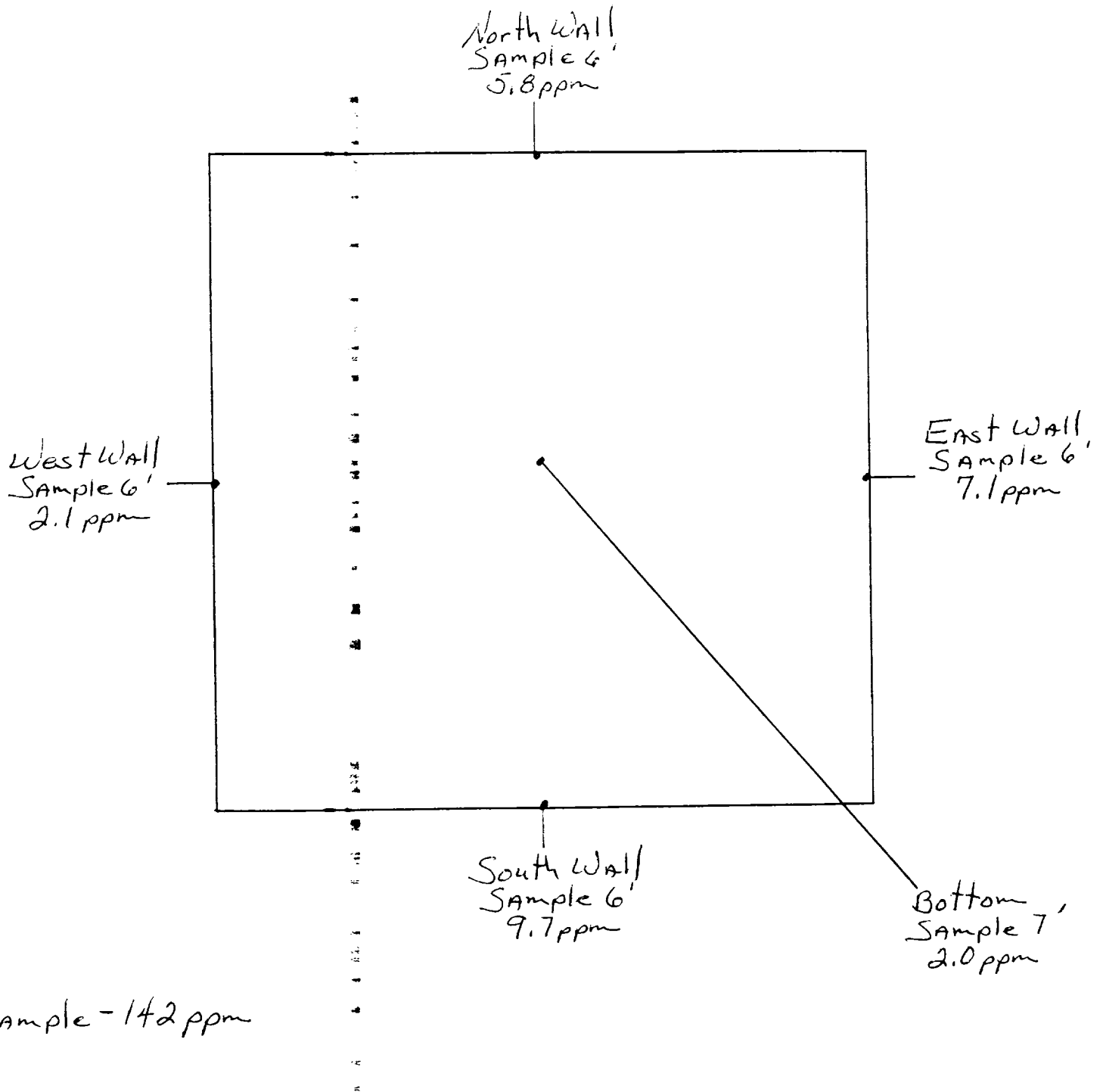
6-16-97

Hxi Hpatche K-3
Sec. 9 T26N R5W Unit A
Conoco



Axi. Apache K-3
Sec. 9 T26N R5W Unit A
Conoco

23' x 22' x 7'



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

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

Date: *9-Jun-97*
COC No.: *5725*
Sample No.: *14858*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Axi Apache K-3*
Project Location: *9706031524; 5pt. Composite*
Sampled by: *PA* Date: *3-Jun-97* Time: *15:24*
Analyzed by: *DC/HR* Date: *5-Jun-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	182	9.5	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	88	84	(70-130)	5	20%

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

Approved by: *[Signature]*

Date: *6/9/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

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>Axi Apache K-3</u>	
Location: Unit: <u>A</u> Sec. <u>9</u> T. <u>26</u> N. R. <u>5</u> W. County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>6/3/97</u> Date Completed: <u>6/13/97</u>	
Remediation Method: Landfilled <u>X</u> Approx. cubic yards <u>1.31</u> Composted <u>—</u> Other <u>—</u>	
Depth to Ground Water: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>6/12/97</u> Time <u>1023</u> Sampling Results: Field Headspace (ppm) <u>19.3</u> TPH (ppm) <u>ND</u> Method <u>8015</u> Other <u>—</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>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>6/20/97</u> PRINTED NAME <u>Ronald A. Dedrick</u>	
SIGNATURE <u>Ronald A. Dedrick</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>—</u>	
SIGNED: <u>[Signature]</u> DATE: <u>6-23-97</u>	

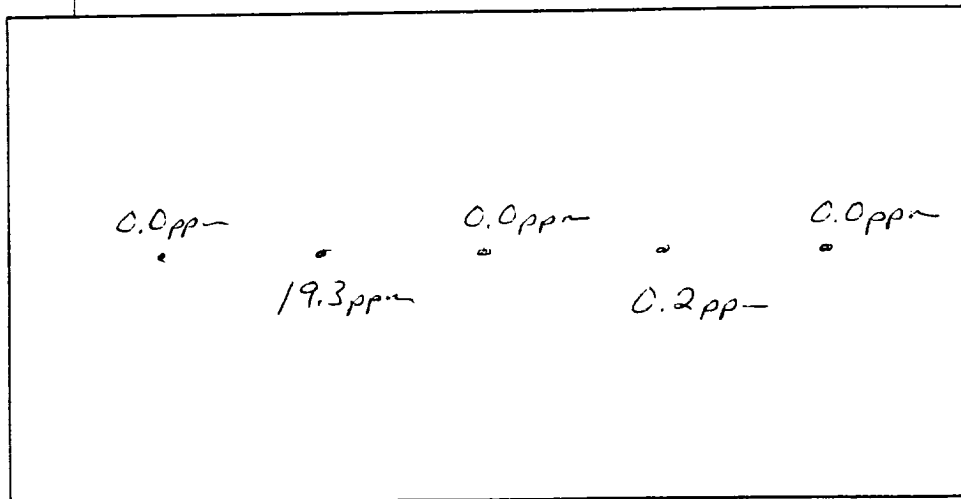
Hx: Apache K-3
Sec. 9 T26N R5W Unit A
Conoco

Land farm

Well
Head



72'



39'

99'

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

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

Date: **17-Jun-97**
COC No.: **5492**
Sample No.: **14939**
Job No.: **2-1000**

Project Name: **PNM Gas Services - Axi Apache K-3 Landfarm**
Project Location: **9706121023; 5pt. Composite**
Sampled by: **RD** Date: **12-Jun-97** Time: **10:23**
Analyzed by: **DC/HR** Date: **13-Jun-97**
Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD


Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	209	4.4	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	90	93	(70-130)	3	20%

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

Approved by: 

Date: **6/17/97**

P.O. BOX 2606 • FARMINGTON, NM 87499

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