

Denny E. Frost
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

Approval
PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services Conoco Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Axi Apache L-6
Location: Unit: A Sec. 25 T. 25 N R 4 W County Rio Arriba
Pit Type: Separator X Dehydrator Other
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 19' width 17' depth 18'
(Attach diagram) Reference: wellhead X other
Footage from reference: 18'
Direction from reference: Straight Degrees X East North
West of 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 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) 0

**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) 0

RANKING SCORE (TOTAL POINTS): 0

100-100000-100000
DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

100-100000-100000

100-100000-100000

Date Remediation Started: 4/23/97 Date Completed: 6/4/97

Remediation Method: Excavation X Approx. Cubic Yards 215

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 215

Other _____

Remediation Location: Onsite X Offsite _____
(i.e., landfarmed on-site, name and location of off-site facility)

General Description of Remedial Action:

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

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, West side walls and bottom of pit

Sample depth 18'

Sample date 4/23/97 Sample time 1218

Sample Results

Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 2.7 Ethylbenzene (ppb) _____

TPH ND 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 5/3/97

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 X NO _____ (REASON): _____

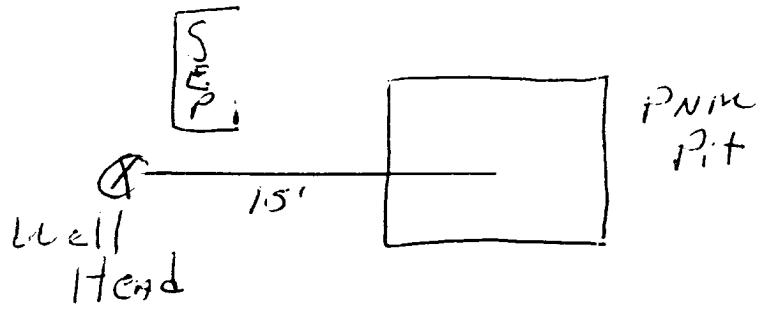
SIGNED: Ken C Mammale DATE: 5-8-97

HxHpatche L-6

Sec. 25 T25N R4W Unit A

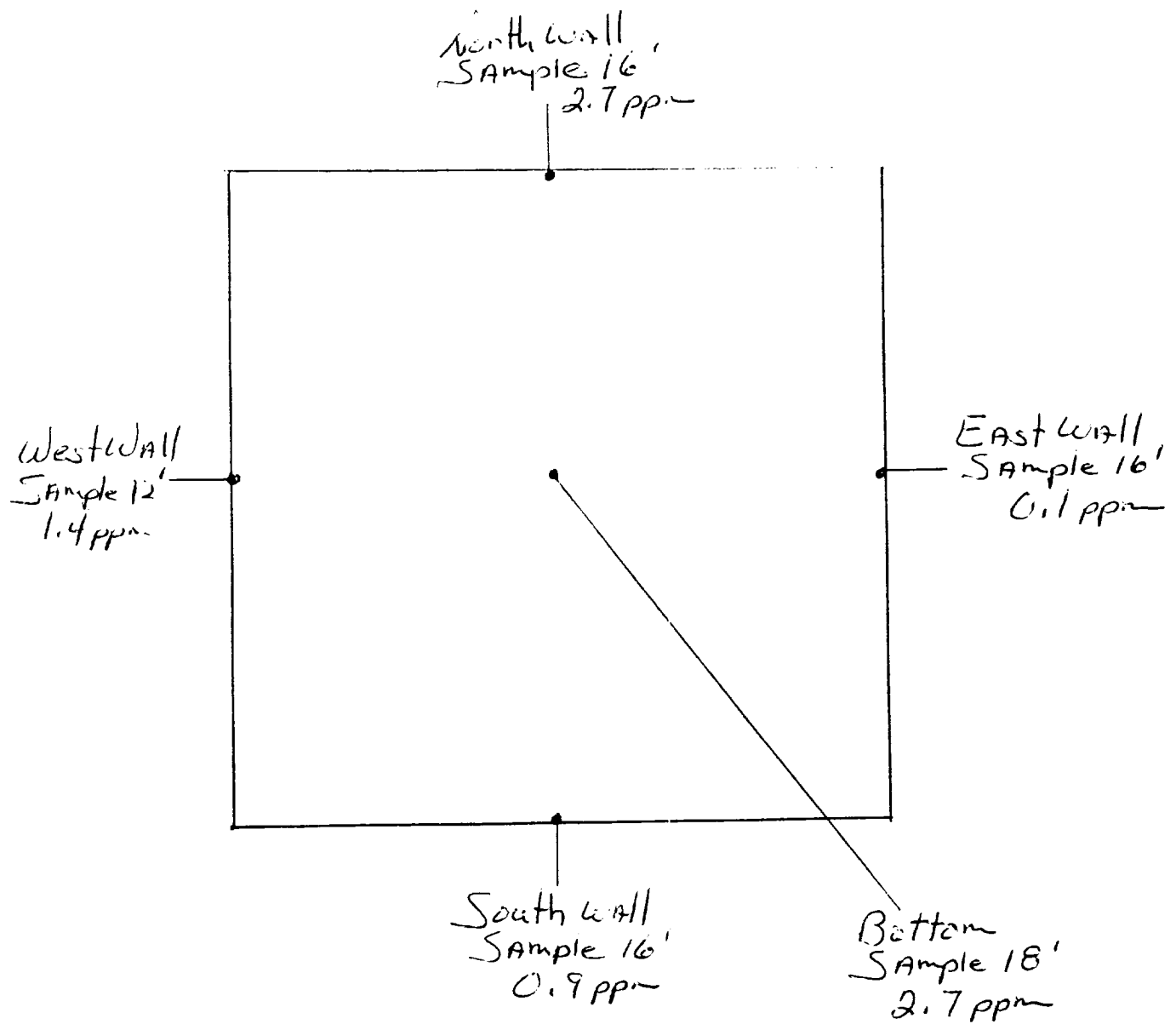
Conoco

 meter
House



Hxi Apache L-6
Sec. 25 T25N R4W Unit A
Conoco

19' x 17' x 18'



5' Sample - 179 ppm
10' Sample - 175 ppm
15' Sample - 108 ppm
18' Sample - 2.7 ppm

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: *29-Apr-97*
COC No.: *5428*
Sample No.: *14306*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Axi Apache L-6 Run 12-61***
Project Location: ***9704231218; 5pt. Composite***
Sampled by: SA Date: *23-Apr-97* Time: *12:18*
Analyzed by: HR/DC Date: *28-Apr-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	5.0	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: *0519-STD*

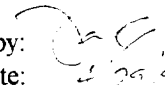
Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	100	104	4.0	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	90	94	(70-130)	5	20%

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

Approved by: 

Date: *4/29/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

JICARILLA APACHE TRIBE
ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

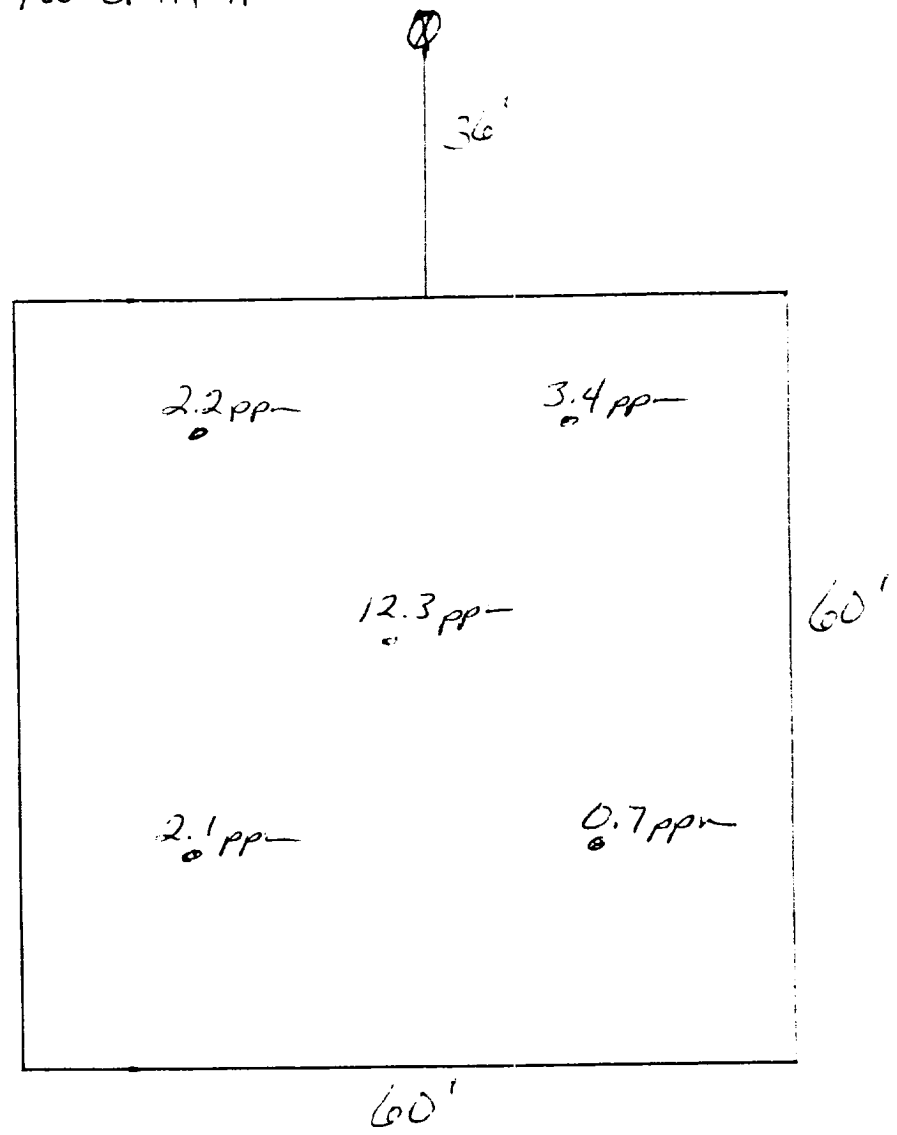
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

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 L-6</u>	
Location: Unit: <u>A</u> Sec. <u>25</u> T. <u>25</u> N R. <u>4</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>4/23/97</u> Date Completed: <u>5/6/97</u>	
Remediation Method: Landfamed <u>X</u> Approx. cubic yards <u>215</u> Composted <u>—</u> Other <u>—</u>	
Depth to Ground Water: (pts.) <u>8</u> Distance to an Ephemeral Stream: (pts.) <u>8</u> Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>8</u> Wellhead Protection Area: (pts.) <u>8</u> Distance to Surface Water: (pts.) <u>8</u> Ranking Score (Total Points): <u>8</u>	Final Closure Sampling: Sampling Date: <u>5/6/97</u> Time <u>1150</u> Sampling Results: Field Headspace (ppm) <u>12.3</u> TPH (ppm) <u>ND</u> Method <u>8015</u> Other <u>—</u>
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>5/9/97</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>5-14-97</u>	

Hx1 Apache L-4
Sec. 25 T25N R4W Unit A
Conoco

Land farm



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-May-97*
COC No.: *5446*
Sample No.: *14449*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Axi Apache #L-6 Landfarm Run 12-61*
Project Location: *9705061150; 5pt. Composite*
Sampled by: *RB* Date: *6-May-97* Time: *11:50*
Analyzed by: *HR/DC* Date: *8-May-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	5.0	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: *0519-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	100	105	4.8	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	101	102	(70-130)	1	20%

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

Approved by:

Date:

[Signature]
5/9/97

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -