

P.O. BOX 507
DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (WFS)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Axi Apache H-3 Drip			
Location:	Unit: P	Sec. 32	T. 24 N R. 5 W County Rio Arriba
Pit Type:	Separator	Dehydrator	Other Line Drip
Land Type: Jicarilla Apache			

Pit Location:	Pit dimensions:	length 23'	width 19'	depth 8'
(Attach diagram)	Reference:	wellhead	other Drip riser	
	Footage from reference:	18'		
	Direction from reference:	Straight	Degrees	East North X
				West South

Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	Less than 50 feet	(20 points)	<input checked="" type="radio"/>
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	
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	(20 points)	<input checked="" type="radio"/>
	No	(0 points)	<input type="radio"/>
Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	Less than 200 feet	(20 points)	<input checked="" type="radio"/>
	200 feet to 1,000 feet	(10 points)	
	Greater than 1,000 feet	(0 points)	
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	(10 points)	<input checked="" type="radio"/>
	Greater than 100 feet	(0 points)	
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	(10 points)	<input checked="" type="radio"/>
	Greater than 100 feet	(0 points)	
RANKING SCORE (TOTAL POINTS):			<input checked="" type="radio"/>

1. The first part of the document is a list of the names of the members of the committee who have been appointed to the various sub-committees. The names are listed in alphabetical order of the last name.

2. The second part of the document is a list of the names of the members of the committee who have been appointed to the various sub-committees. The names are listed in alphabetical order of the last name.

Date Remediation Started: 9/16/97 Date Completed: 10/27/97

Remediation Method: Excavation X Approx. Cubic Yards 129

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 129

Other _____

Remediation Location: Onsite _____ Offsite Axi Apache H-3 Location
(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all four side walls and bottom of pit as to get 12 below 100 ppm head space reading.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North East, South, West side walls and bottom of pit.

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

Sample depth 8'

Sample date 9/16/97 Sample time 0953

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 67.5 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 9/25/97 PRINTED NAME Ronald A. Dedrick

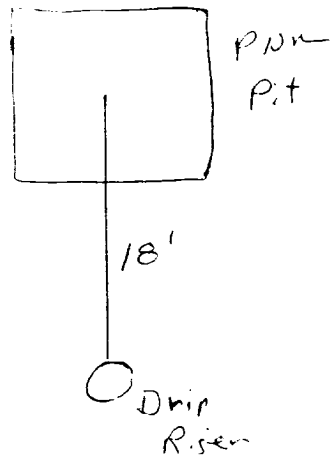
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

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: Kearl Mammell DATE: 9-30-97

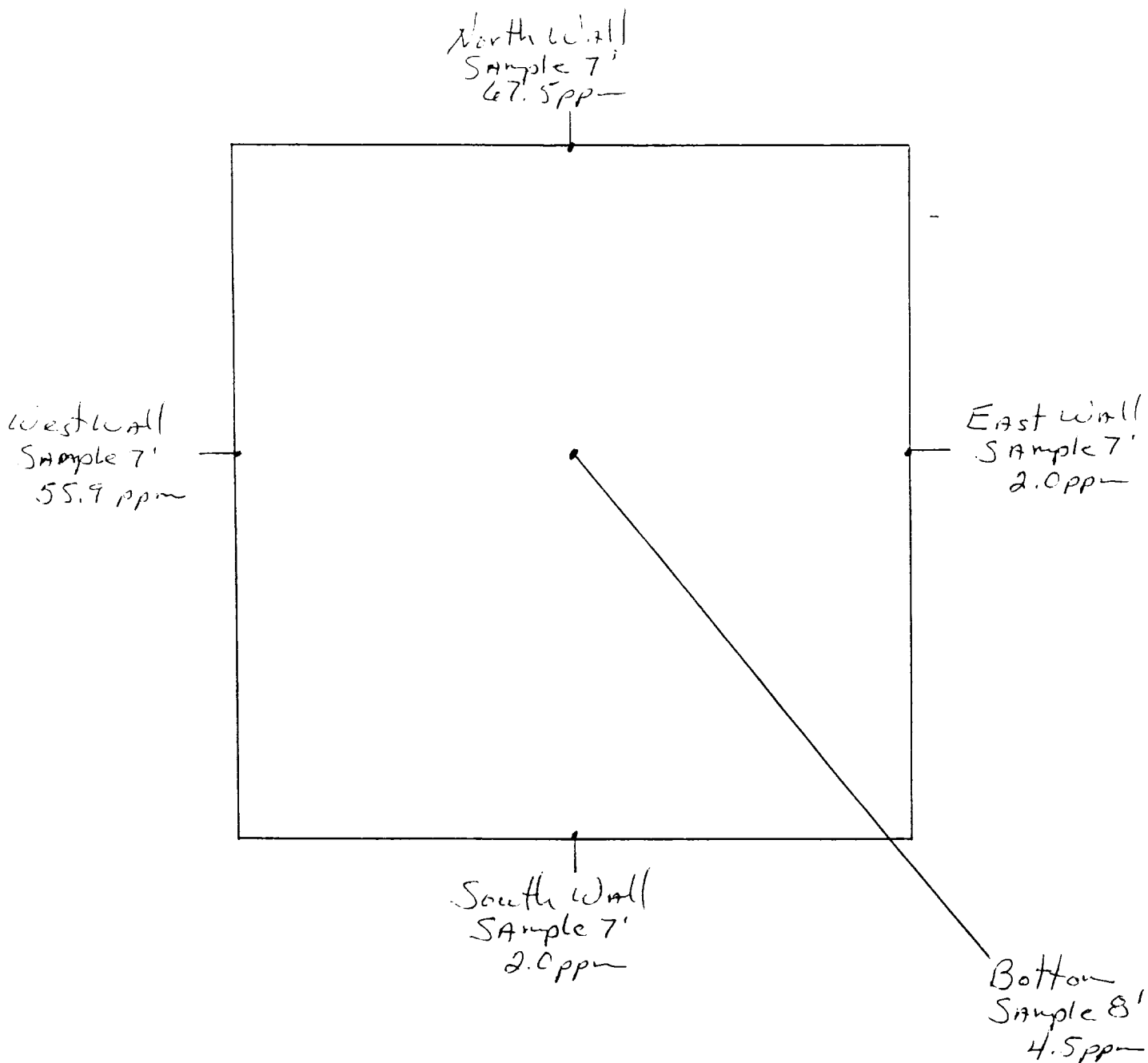
Axial Pitche H-3 Drip
Sec. 32 T24N R5W Unit P
WFS



1. The first step in the process of creating a new product is to identify a market need. This involves conducting market research to determine what consumers want and need. Once a market need is identified, the next step is to develop a concept for a product that meets this need. This concept should be based on the market research and should be unique and innovative. The concept is then developed into a detailed product design, which includes specifications for the product's features, functions, and appearance. The design is then used to create a prototype, which is a small-scale model of the product. The prototype is used to test the product's feasibility and to gather feedback from potential customers. Once the product has been tested and feedback has been gathered, the next step is to develop a business plan for the product. This plan should outline the product's marketing strategy, distribution channels, and financial projections. The business plan is then used to secure funding for the product's development and production. Finally, the product is manufactured and distributed to the market. The product is then marketed and sold to consumers, and the company monitors its performance and makes any necessary adjustments.

Axi Apache H-3 Drip
Sec. 32 T24N R5W Unit P
WFS

23' x 19' x 8'



5' Sample - 182 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: *23-Sep-97*
COC No.: *5589*
Sample No.: *16248*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Axi Apache H-3 Drip*
Project Location: *9709160953; 5pt. Composite*
Sampled by: *MT* Date: *16-Sep-97* Time: *9:53*
Analyzed by: *HR* Date: *19-Sep-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.: 0555-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	176	12.7	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	80	86	(70-130)	8	20%

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

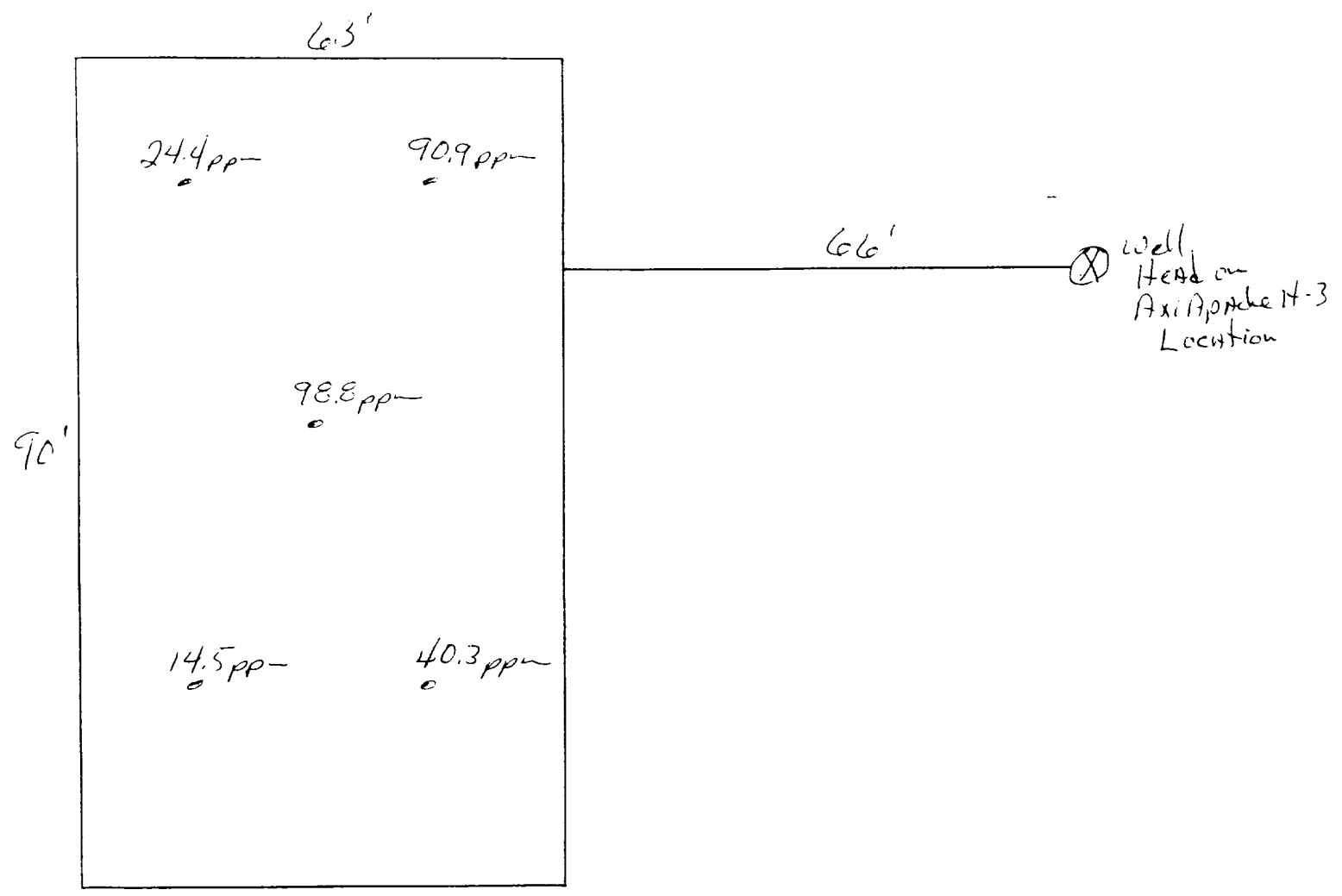
Approved by: *[Signature]*

Date: *9/23/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

Axi Apache H-3 Drip
Sec. 32 T.24N R.5W 4th P
WFS

Land farm



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 (WFS)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache H-3 Drip</u>	
Location:	Unit: <u>P</u> Sec. <u>32</u> T. <u>24</u> N R. <u>5</u> W County <u>Rio Arriba</u>
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>9/16/97</u> Date Completed: <u>10/1/97</u>	
Remediation Method: Landfirmed <input checked="" type="checkbox"/> Approx. cubic yards <u>129</u> Composted <input type="checkbox"/> Other <input type="checkbox"/>	
Depth to Ground Water: (pts.) <u>0</u>	Final Closure Sampling:
Distance to an Ephemeral Stream: (pts.) <u>0</u>	Sampling Date: <u>9/30/97</u> Time <u>0911</u>
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u>	Sampling Results:
Wellhead Protection Area: (pts.) <u>0</u>	Field Headspace (ppm) <u>988</u>
Distance to Surface Water: (pts.) <u>0</u>	TPH (ppm) <u>130</u> Method <u>8015</u>
Ranking Score (Total Points): <u>0</u>	Other _____
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>10/3/97</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 <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) <u>Not for use as Backfill</u>	
SIGNED: <u>Kate C. Mamm</u>	DATE: <u>10-14-97</u>

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: *2-Oct-97*
COC No.: *5603*
Sample No.: *16448*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Axi Apache H-3 Drip Landfarm*
Project Location: *9709300911; 5pt. Composite*
Sampled by: *RB* Date: *30-Sep-97* Time: *9:11*
Analyzed by: *HR/DC* Date: *1-Oct-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>	130	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-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	202	1.2	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	102	92	(70-130)	10	20%

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

Approved by:

Date:

[Signature]
10/2/97

P.O. BOX 2606 • FARMINGTON, NM 87499

