

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE

OCT 28 1997

P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

Approved PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services	(<u>BROG</u>)	Telephone:	324-3764
Address:	603 W. Elm Street Farmington, NM 87401			
Facility or Well Name:	<u>Arizona Jicarilla #3</u>			
Location:	Unit: <u>I</u>	Sec. <u>35</u>	T. <u>25</u> N	R. <u>4</u> W County <u>Rio Arriba</u>
Pit Type:	Separator <u>X</u>	Dehydrator <u> </u>	Other <u> </u>	
Land Type:	<u>Jicarilla Apache</u>			
Pit Location:	Pit dimensions: length <u>24'</u> width <u>24'</u> depth <u>7'</u>			
(Attach diagram)	Reference: wellhead <u>X</u> other <u> </u>			
	Footage from reference: <u>69'</u>			
	Direction from reference: <u>Straight</u> Degrees <u> </u> East <u> </u> North <u> </u>			
	<u>X</u> West of South <u> </u>			
Depth to Ground Water:	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points)	<u>0</u>
(Vertical distance from contaminants to seasonal high water elevation of ground water)				
Wellhead Protection Area:	Yes No		(20 points) (0 points)	<u>0</u>
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)				
Distance to Surface Water:	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points)	<u>0</u>
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)				
Distance to Ephemeral Stream (dry wash):	Less than or equal to 100 feet Greater than 100 feet		(10 points) (0 points)	<u>0</u>
(Horizontal distance to all downgradient streams having a width of at least 10 feet)				
Distance to Nearest Lake, Playa, or Watering Pond:	Less than or equal to 100 feet Greater than 100 feet		(10 points) (0 points)	<u>0</u>
(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)				
RANKING SCORE (TOTAL POINTS):				<u>0</u>

Date Remediation Started:

4/17/97

Date Completed:

6/3/97

Remediation Method:

Excavation

X

Approx. Cubic Yards

149

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

149

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 as to get a below 100 ppm head space reading. Bottom of pit is solid rock

Ground Water Encountered:

No

X

Yes

Depth _____

Final Pit Closure Sampling:

Sample Location

North, East, South and West side walls.

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

Sample depth

7'

Sample date

4/17/97

Sample time

1357

Sample Results

Soil: Benzene (ppm) _____

Water: Benzene (ppb) _____

Total BTEX (ppm) _____

Toluene (ppb) _____

Field headspace (ppm)

28.6

Ethylbenzene (ppb) _____

TPH

N/D

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

4/24/97

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:

Kate C. Mamm

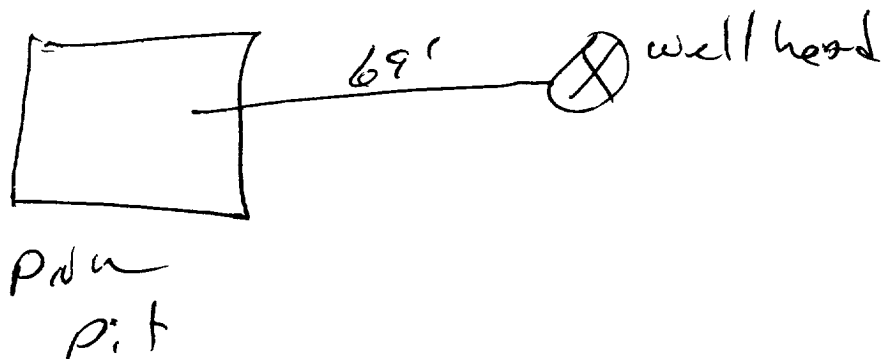
DATE:

4-28-96

Horizon 12/12/12 - 5
Sec 35 T25N R4W unit I
BROG

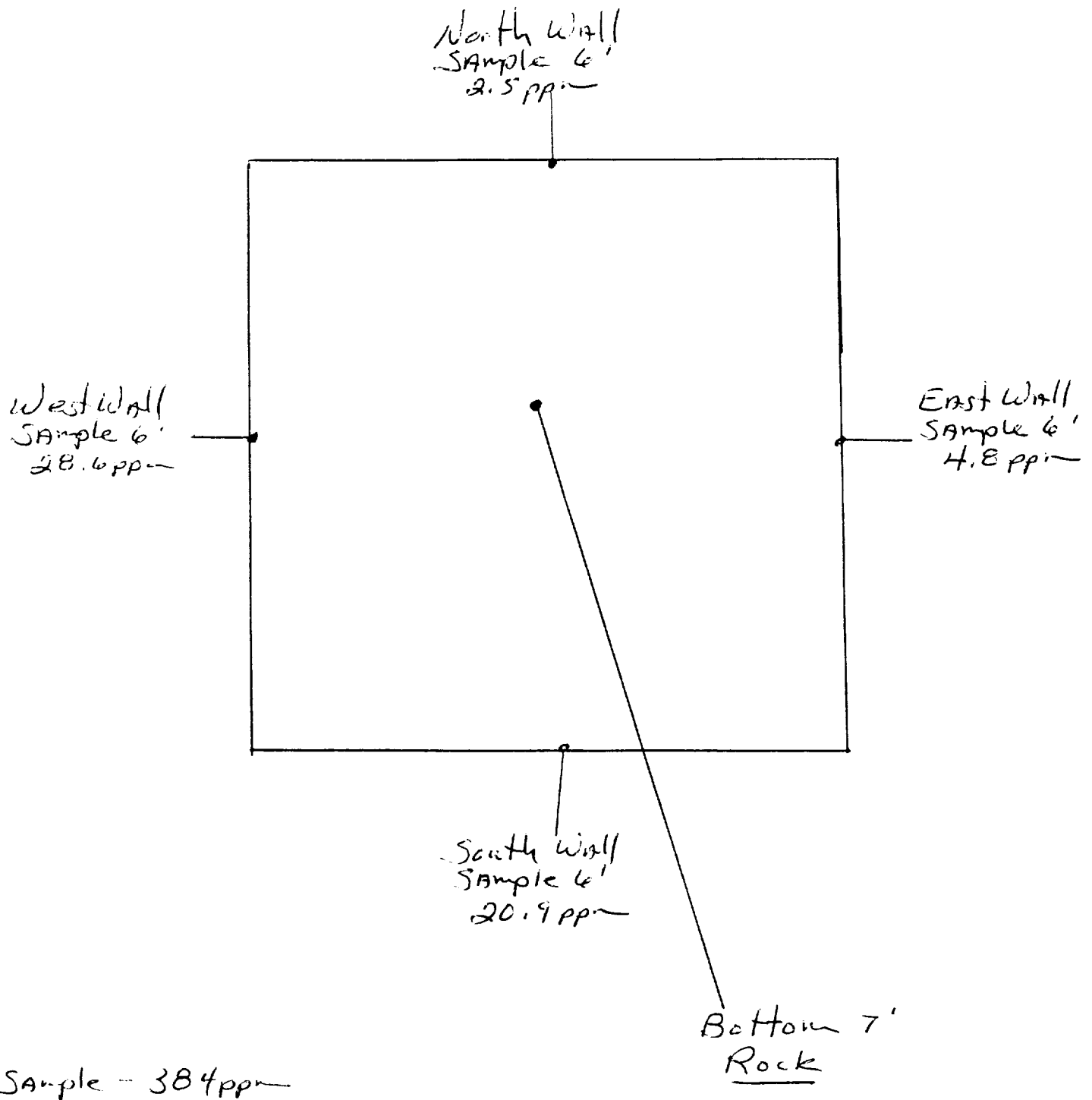
meter
House

Sep



ARIZONA JICKELLIA "S"
Sec. 35 T25N R4W Unit I
BROG

24'x24'x7'



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: *22-Apr-97*
COC No.: *5396*
Sample No.: *14264*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Arizona Jicarilla #3 Run 12-61*
Project Location: *9704171357; 4pt. Composite*
Sampled by: *PA* Date: *17-Apr-97* Time: *13:57*
Analyzed by: *DC/HR* Date: *18-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	4.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	85	94	(70-130)	11	20%

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

Approved by: *[Signature]*

Date: *4/22/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

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

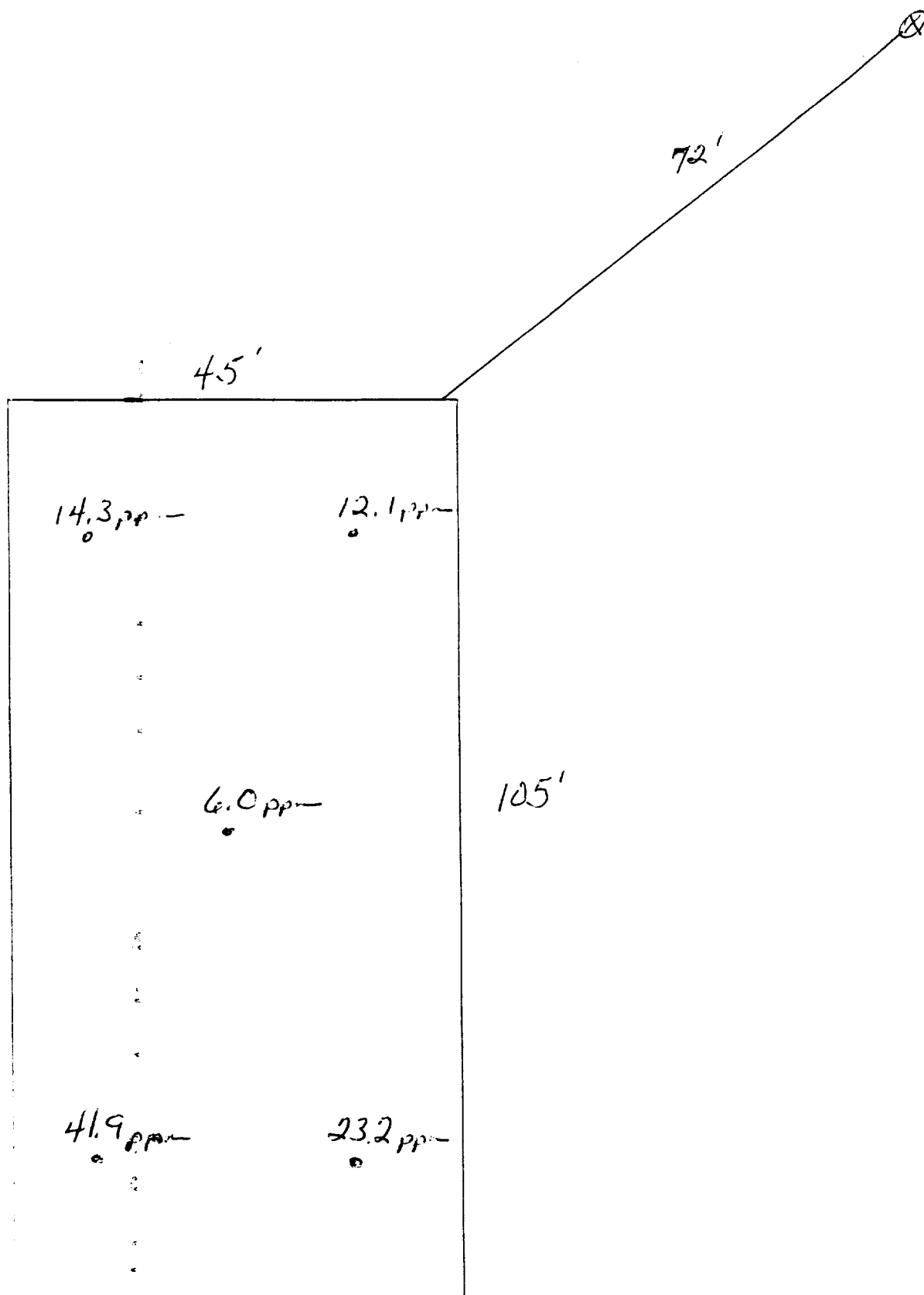
SUBMIT 1 COPY TO
NATURAL
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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (BROG)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Arizona Jicarilla #3</u>	
Location: Unit: <u>I</u> Sec. <u>35</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>4/17/97</u> Date Completed: <u>4/30/97</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>149</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</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>	Final Closure Sampling: Sampling Date: <u>4/30/97</u> Time <u>1645</u> Sampling Results: Field Headspace (ppm) <u>41.9</u> TPH (ppm) <u>ND</u> Method <u>SC15</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>5/3/97</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 <u>X</u> NO <u> </u> (REASON) <u> </u>	
SIGNED: <u>Ken C. M... ..</u> DATE: <u>5-8-97</u>	

HORIZONTAL JUNCTION
Sec. 35 T.25N R.4W Unit I
BROG

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: *2-May-97*
COC No.: *5438*
Sample No.: *14415*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Arizona Jicarilla #3 Landfarm Run 12-61*

Project Location: *9704301645; 5pt. Composite*

Sampled by: *RB* Date: *30-Apr-97* Time: *16:45*

Analyzed by: *HR/DC* Date: *1-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	95	4.8	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	86	93	(70-130)	8	20%

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

Approved by: *[Signature]*

Date: *5/2/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT