

Denny S. Frost
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

FEB 26 1998

ENVIRONMENTAL PROTECTION OFFICE

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 (Amoco) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Jicarilla Apache 102-26

Location: Unit: F Sec. 10 T. 26 N R. 4 W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 26' width 23' depth 24'

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 99'

Direction from reference: Straight Degrees East North
X West of South

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	0
Greater than 100 feet	(0 points)	

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)	0
No	(0 points)	

Distance to Surface Water:

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 200 feet	(20 points)	10
200 feet to 1,000 feet	(10 points)	0
Greater than 1,000 feet	(0 points)	

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)	0
Greater than 100 feet	(0 points)	

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)	0
Greater than 100 feet	(0 points)	10

RANKING SCORE (TOTAL POINTS):

10 RND
20

Date Remediation Started: 7/22/97 Date Completed: 9/3/97

Remediation Method: Excavation X Approx. Cubic Yards 532

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 532

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 and pit bottom AS to get a 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 pit bottom

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

Sample depth 24'

Sample date 7/22/97 Sample time 1204

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 58.6 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 7/29/97 PRINTED NAME Ronald A. Dedrick

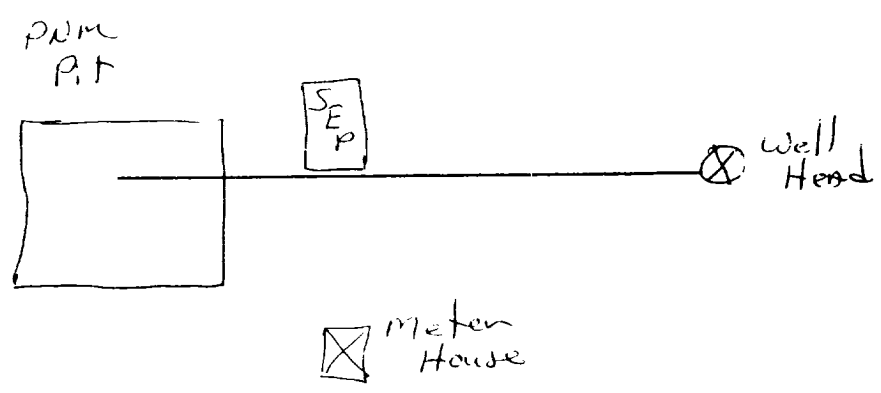
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

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: Karen C. Mann DATE: 7-29-97

Jicarilla Apache 102-26
Sec. 10 T26N R4W Unit F
Amoco



500
gal.
TK.

Jicarilla Apache 102-26
Sec. 10 T26N R4W Unit F
Amoco

26' x 23' x 24'

North Wall
Sample 23'
4.9 ppm

West Wall
Sample 20'
18.8 ppm

East Wall
Sample 20'
14.9 ppm

South Wall
Sample 16'
58.6 ppm

Bottom
Sample 24'
14.6 ppm

5' Sample - 279 ppm
10' Sample - 322 ppm
15' Sample - 256 ppm
20' Sample - 153 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-Jul-97*
COC No.: *5520*
Sample No.: *15474*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla Apache 102-26*

Project Location: *9707221204; 5pt. Composite*

Sampled by: *PA* Date: *22-Jul-97* Time: *12:04*

Analyzed by: *DC* Date: *25-Jul-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	198	1.0	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	94	96	(70-130)	1	20%

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

Approved by: *[Signature]*
Date: *7/29/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

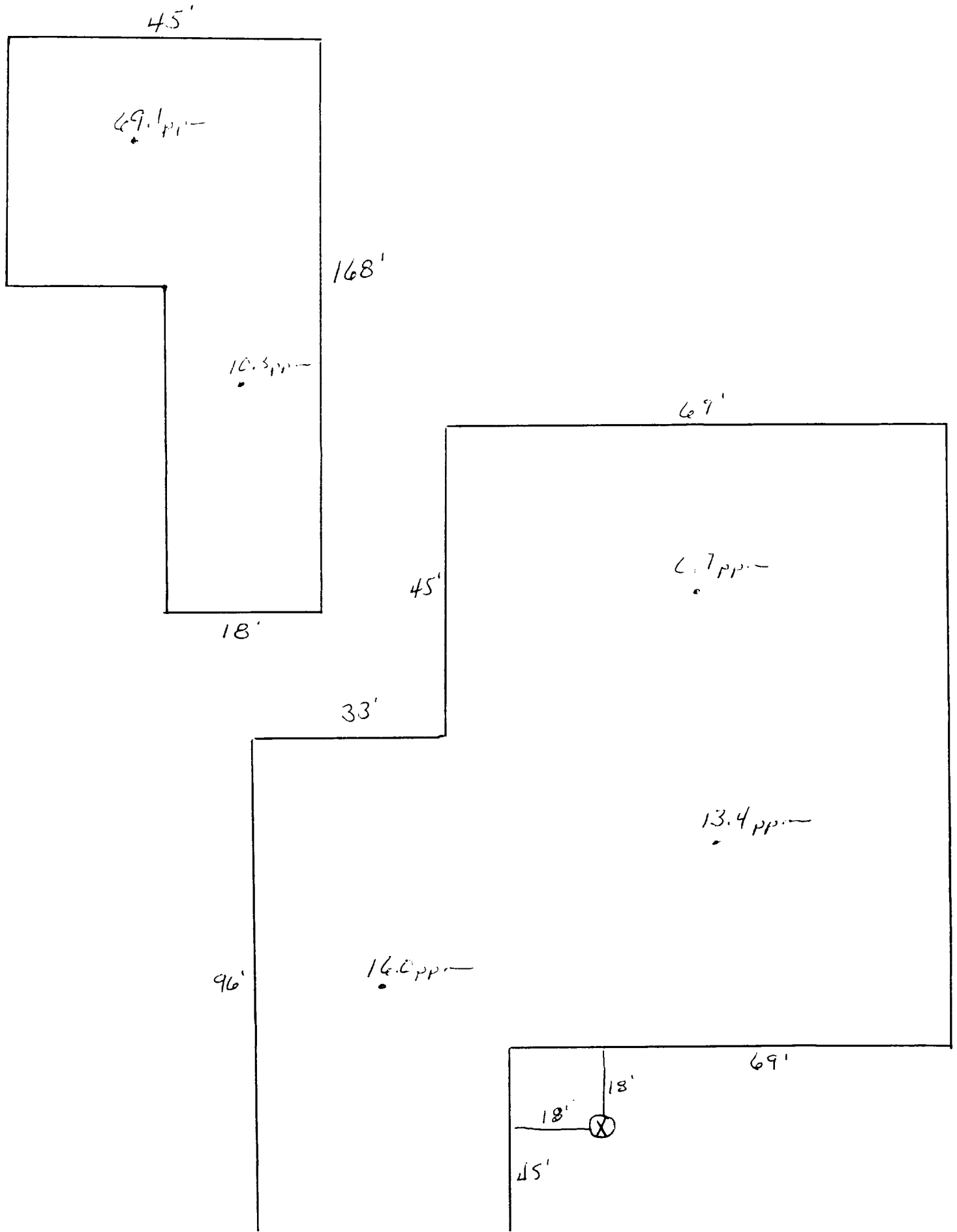
SUBMIT 1 COPY TO
NATURAL
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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (Amoco)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Jicarilla Apache 102-26</u>	
Location: Unit: <u>F</u> Sec. <u>10</u> T. <u>26</u> N R. <u>4</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>7/22/97</u> Date Completed: <u>8/11/97</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>532</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>10.0</u> Wellhead Protection Area: (pts.) <u>0</u> Distance to Surface Water: (pts.) <u>10</u> Ranking Score (Total Points): <u>10</u>	Final Closure Sampling: Sampling Date: <u>8/7/97</u> Time <u>09:51</u> Sampling Results: Field Headspace (ppm) <u>69.1</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>8/15/97</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>use as Backfill</u>	
SIGNED: <u>Karen C. Ylman</u> DATE: <u>8-18-97</u>	

Jicarilla Apache 102-26
Sec. 10 T26N R4W Unit F
Amoco

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: *13-Aug-97*
COC No.: *5543*
Sample No.: *15702*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla Apache 102-26 Landfarm*
Project Location: *9708070951; 5pt. Composite*
Sampled by: *SA* Date: *7-Aug-97* Time: *9:51*
Analyzed by: *HR/DC* Date: *11-Aug-97*
Sample Matrix: *Soil*

Laboratory Analysis

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<i>Diesel Range Organics (C10 - C28)</i>	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

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DRO QC No.: 0548-STD

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Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	84	85	(70-130)	1	20%

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

Approved by: *[Signature]*
Date: *8/13/97*

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