

Denny E. Faust
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 (Conoco) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla C-3
Location: Unit: 11 Sec. 12 T. 24 N R. 4 W County Rio Arriba
Pit Type: Separator X Dehydrator Other
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 32' width 24' depth 7'
(Attach diagram) Reference: wellhead X other
Footage from reference: 54'
Direction from reference: 45 Degrees East North
 West 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)
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)
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)
200 feet to 1,000 feet (10 points)
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)
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)
Greater than 100 feet (0 points)

RANKING SCORE (TOTAL POINTS):

Date Remediation Started: 8/12/97 Date Completed: 9/18/97

Remediation Method: Excavation X Approx. Cubic Yards 214

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 214

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 it below 100ppm head space reading.
Bottom is 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 6'

Sample date 8/12/97 Sample time 1407

Sample Results

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

Total BTEX (ppm) ND Toluene (ppb) _____

Field headspace (ppm) 3.5 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 8/20/97 PRINTED NAME Ronald A. Dedrick

SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

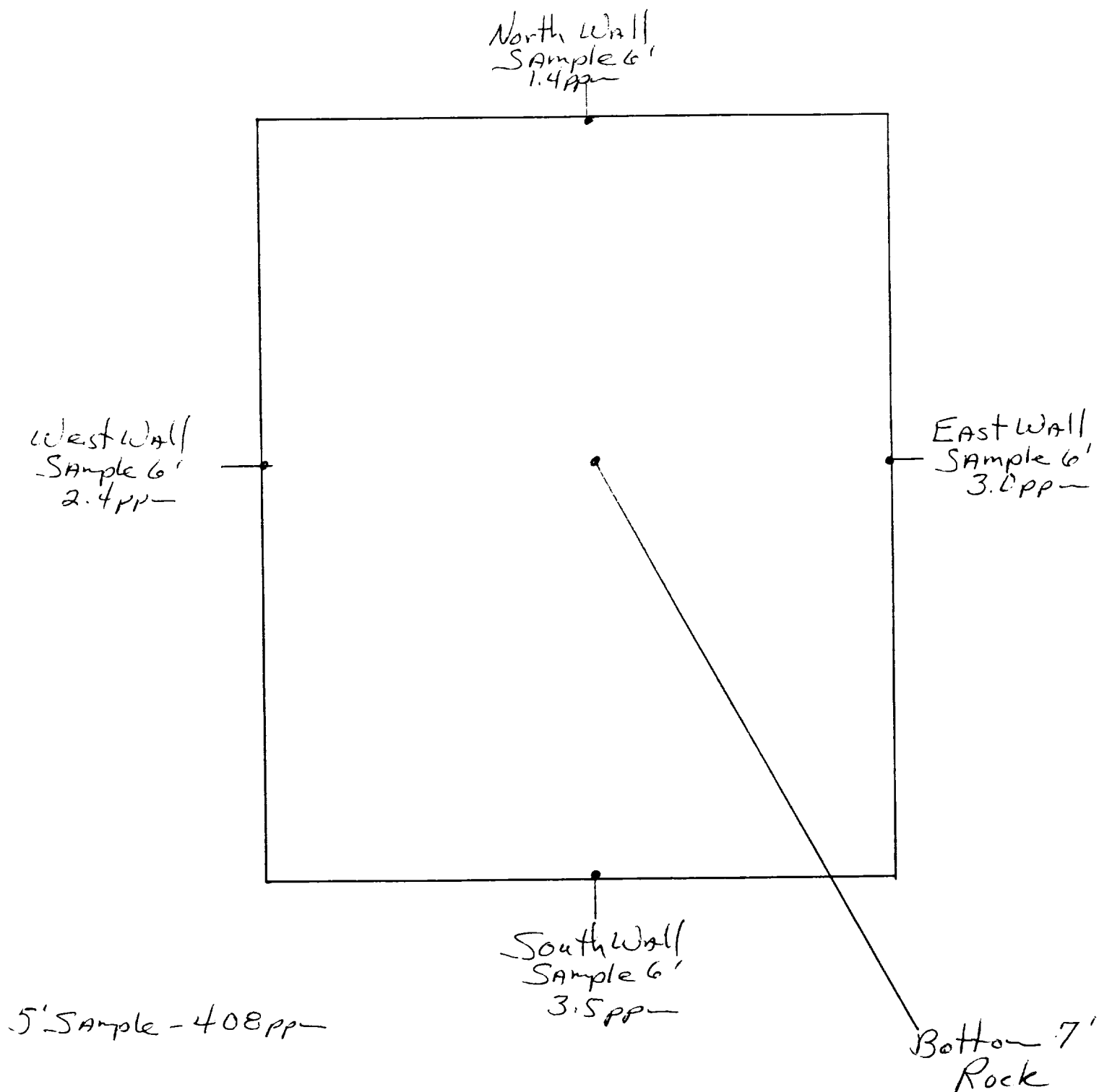
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): spray + close

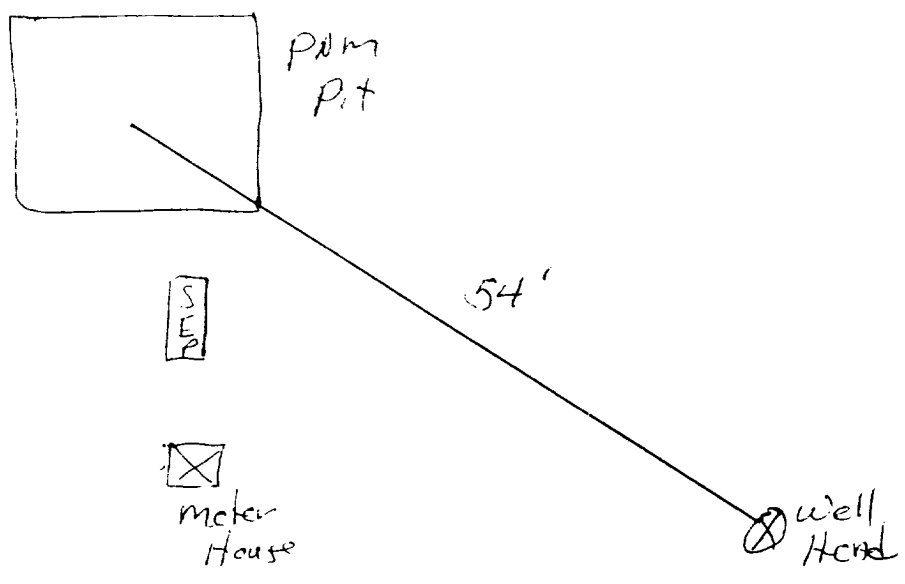
SIGNED: [Signature] DATE: 8-20-97

Jikanilla C-3
Sec. 12 T26N R4W Unit H
Conoco

32' x 26' x 7'



Jickanilla C-3
Sect. 12 T26N R4W Unit H
Conoco



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: *19-Aug-97*
COC No.: *5538*
Sample No.: *15782*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla C-3*
Project Location: *9708121407; 4pt. Composite*
Sampled by: *MT* Date: *12-Aug-97* Time: *14:07*
Analyzed by: *HR/DC* Date: *19-Aug-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	183	8.9	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	83	82	(70-130)	1	20%

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

Approved by: *[Signature]*

Date: *8/19/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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: *19-Aug-97*
COC No.: *5538*
Sample No.: *15782*
Job No.: *2-1000*


Project Name: *PNM Gas Services - Jicarilla C-3*
Project Location: *9708121407; 4pt. Composite*
Sampled by: *MT* Date: *12-Aug-97* Time: *14:07*
Analyzed by: *DC* Date: *18-Aug-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	2	ug/kg
<i>Toluene</i>	ND	ug/kg	2	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	2	ug/kg
<i>m,p-Xylene</i>	ND	ug/kg	2	ug/kg
<i>o-Xylene</i>	ND	ug/kg	2	ug/kg
	<i>TOTAL</i>	ND		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by: 
Date: *8/19/97*

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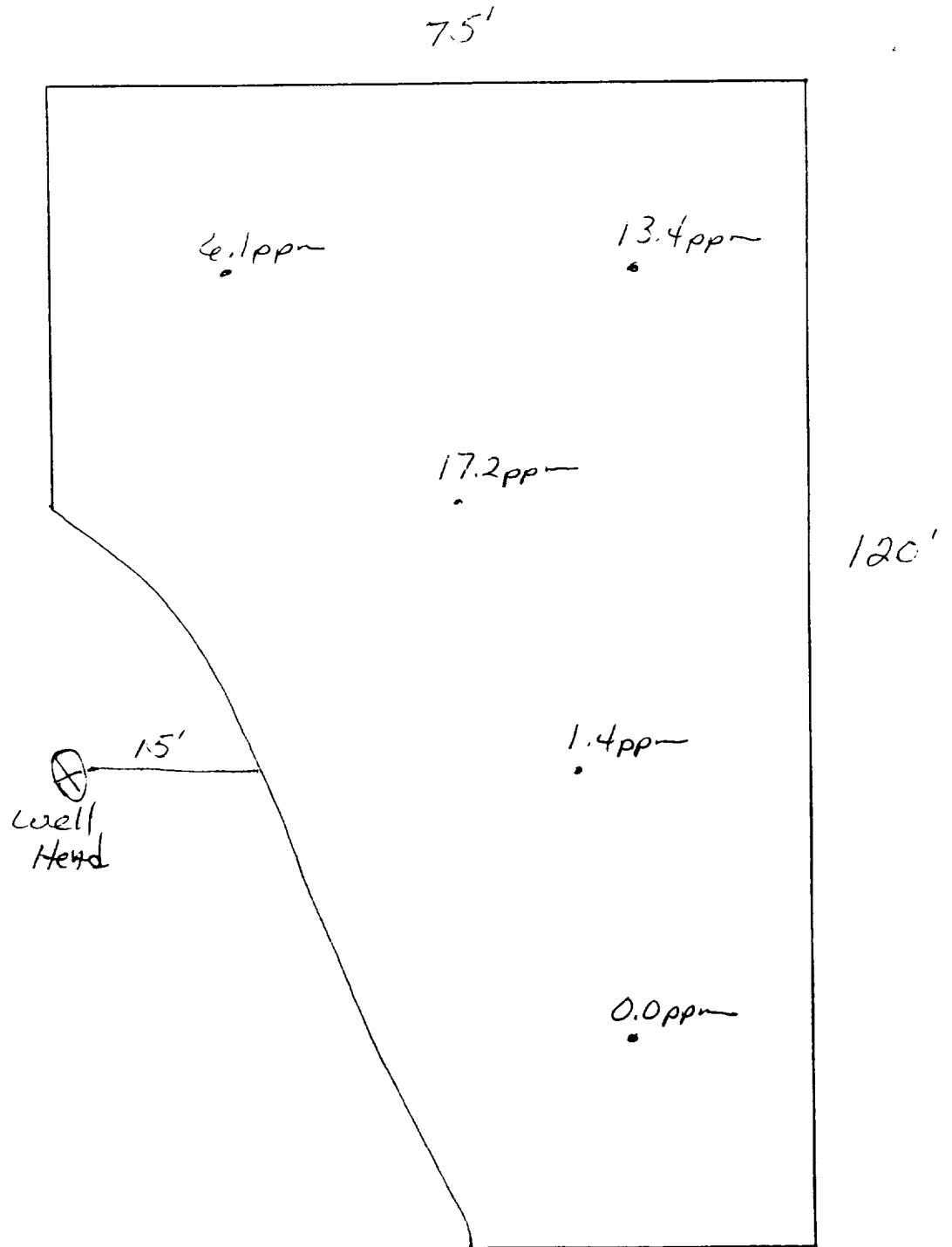
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Conoco)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Jicarilla C-3			
Location: Unit: H		Sec. 12 T. 26 N R. 4 W County Rio Arriba	
Land Type: Jicarilla Apache			
Date Remediation Started: 8/12/97		Date Completed: 9/2/97	
Remediation Method: Landfilled X		Approx. cubic yards 216	
Composted			
Other			
Depth to Ground Water: (pts.) 0		Final Closure Sampling:	
Distance to an Ephemeral Stream: (pts.) 0		Sampling Date: 8/27/97 Time 1122	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) 0		Sampling Results:	
Wellhead Protection Area: (pts.) 0		Field Headspace (ppm) 17.2	
Distance to Surface Water: (pts.) 0		TPH (ppm) 8 Method 8015	
Ranking Score (Total Points): 0		Other	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE 9/3/97		PRINTED NAME Ronald A. Dedrick	
SIGNATURE Ronald A. Dedrick		AND TITLE Environmental Technician II	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE			
APPROVED: YES X NO		(REASON) use as Backfill	
SIGNED: Kevin C. Mann		DATE: 9-3-97	

Jicarilla C-3
Sec 12 T26N R44W Unit H
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: *2-Sep-97*
COC No.: *5582*
Sample No.: *15962*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla C-3 Landfarm*
Project Location: *9708271122; 5pt. Composite*
Sampled by: *RB* Date: *27-Aug-97* Time: *11:22*
Analyzed by: *HR/DC* Date: *2-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>	<i>8</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

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>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>176</i>	<i>12.8</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>84</i>	<i>80</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *9/2/97*

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