

DEPUTY OIL & GAS INSPECTOR ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

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

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 D-13A

Location: Unit: P Sec. 32 T. 26 N. R. 3 W. County Rio Arriba

Pit Type: Separator Dehydrator X Other _____

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 42 width 39 depth 28
(Attach diagram) Reference: wellhead X other _____
Footage from reference: 90'
Direction from reference: Straight Degrees _____ East North X
West of South _____

(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)

(Less than 200 feet from activate domestic water source, or, less than 500 feet from all other water sources)

Yes (20 points)
No (0 points)

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

OIL CON. DIV.
DIST. 3

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

(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)

(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: 5/6/97 Date Completed: 6/11/97

Remediation Method: Excavation X Approx. Cubic Yards 1699

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 1699

Other _____

Remediation Location: Onsite X Offsite TNT Landfarm
(i.e., landfarmed onsite, name and location of offsite facility) 905 cu. yds Schmitz Ranch, N. Mex
794 cu. yds

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 was solid sandstone

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 26'

Sample date 5/8/97 Sample time 1159

Sample Results

Soil: Benzene (ppm) 0.0052 Water: Benzene (ppb) _____

Total BTEX (ppm) 0.2351 Toluene (ppb) _____

Field headspace (ppm) 90.5 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 5/18/97 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.

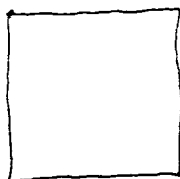
APPROVED: YES X NO _____ (REASON): _____

SIGNED: [Signature] DATE: 5/14/97

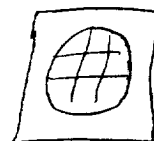
KAR117 U-15H
ec. 32 T26N R3W 4-1 P
Donoco

 meter
House

PNM
pit

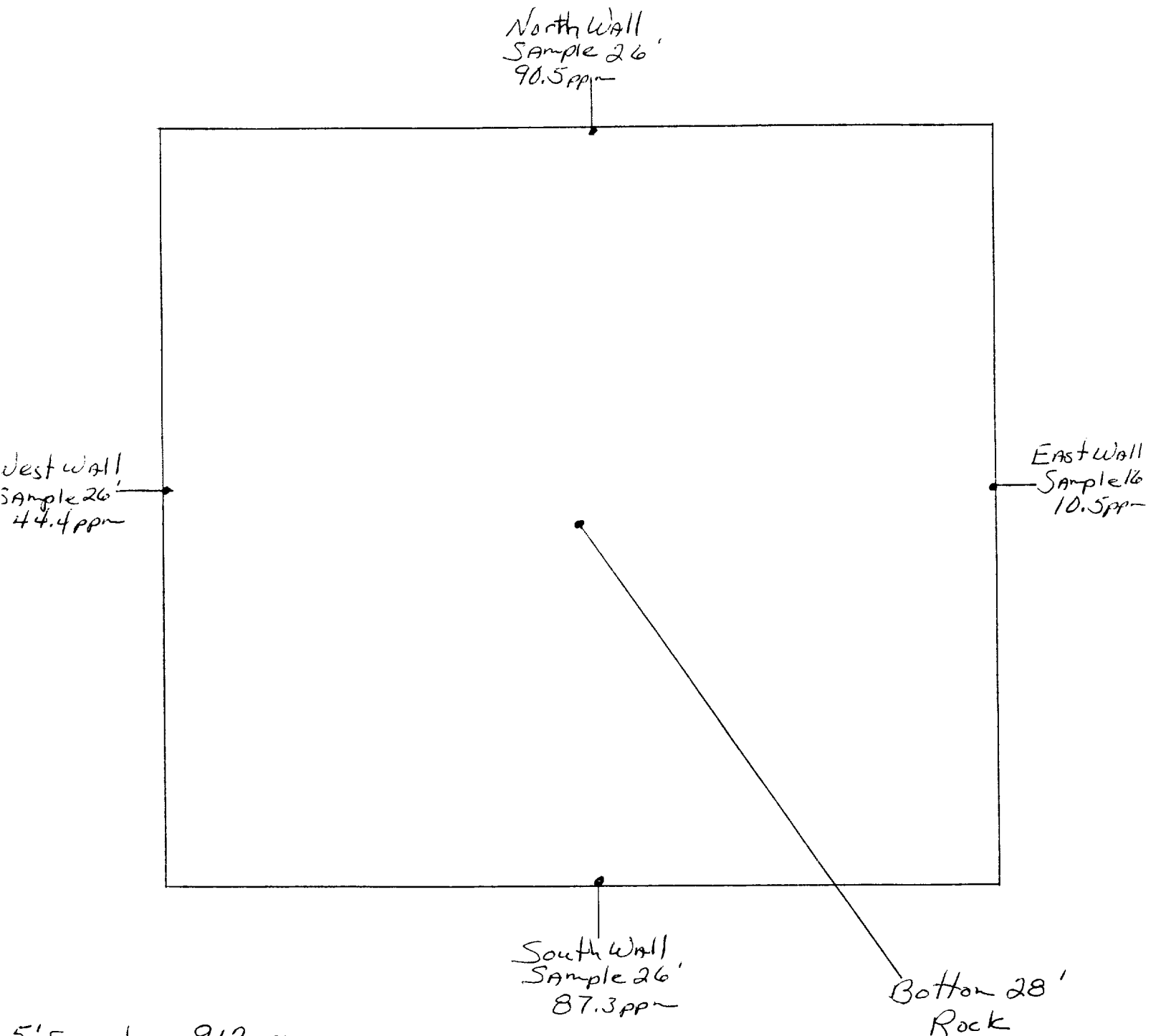


 well
Head



SECTION 32 T26N R3W Unit P
Conoco

42' x 39' x 28'



5' Sample - 912 ppm
10' Sample - 537 ppm
15' Sample - 380 ppm
20' Sample - 412 ppm
25' Sample - 328 ppm
26' Sample - Rock

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: *12-May-97*
COC No.: *5452*
Sample No.: *14525*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla D-13A Run 12-71*
Project Location: *9705081159; 4pt. Composite*
Sampled by: *SA* Date: *8-May-97* Time: *11:59*
Analyzed by: *HR/DC* Date: *12-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	108	7.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	100	99	(70-130)	1	20%

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

Approved by: *[Signature]*

Date: *5/12/97*

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: *14-May-97*
COC No.: *5452*
Sample No.: *14525*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla D-13A Run 12-71*
Project Location: *9705081159; 4pt. Composite*
Sampled by: *SA* Date: *8-May-97* Time: *11:59*
Analyzed by: *DC* Date: *9-May-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	5.2	ug/kg	1.0	ug/kg
<i>Toluene</i>	30.7	ug/kg	1.0	ug/kg
<i>Ethylbenzene</i>	11.1	ug/kg	1.0	ug/kg
<i>m,p-Xylene</i>	113.1	ug/kg	1.0	ug/kg
<i>o-Xylene</i>	75.0	ug/kg	1.0	ug/kg
<i>TOTAL</i>	235.1	ug/kg		

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *5/14/97*

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: PNM Gas Services (Conoco) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla D-13A
Location: Unit: P Sec. 32 T. 26 N R. 3 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 5/6/97 Date Completed: 6/6/97
Remediation Method: Landfarmed X Approx. cubic yards 905
Composted —
Other —

Depth to Ground Water: (pts.) 0
Distance to an Ephemeral Stream: (pts.) 0
Distance to Nearest Lake, Playa,
or Watering Pond: (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance to Surface Water: (pts.) 0
Ranking Score (Total Points): 0

Final Closure Sampling:

Sampling Date: 5/29/97 Time 0812
Sampling Results:
Field Headspace (ppm) 16.6
TPH (ppm) 7.3 Method 8015
Other —

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 6/6/97 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

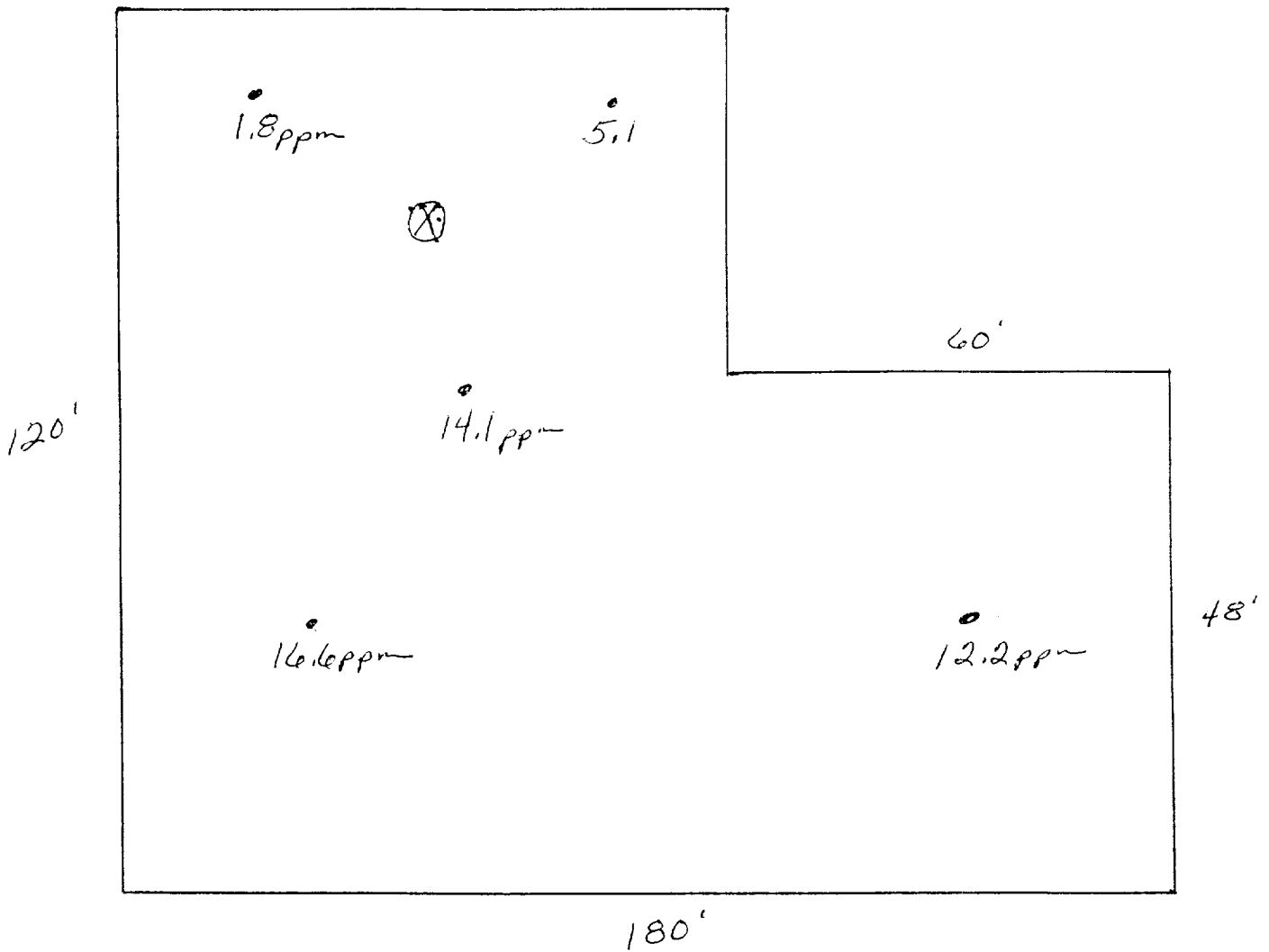
APPROVED: YES X NO — (REASON) —

SIGNED: Kent Mann

DATE: 6-9-97

0140114 0-1017
Sec. 32 T26N R3W 4n. + P
Lonoco

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: *4-Jun-97*
COC No.: *5482*
Sample No.: *14777*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla D-13A Landfarm*
Project Location: *9705290812; 5pt. Composite*
Sampled by: *RB* Date: *29-May-97* Time: *8:12*
Analyzed by: *DC* Date: *30-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>	<i>7.3</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

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>	<i>ND</i>	<i>ppm</i>	<i>100</i>	<i>99</i>	<i>1.2</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>98</i>	<i>83</i>	<i>(70-130)</i>	<i>15</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *6/4/97*