

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

**P.O. BOX 507
DULCE, NEW MEXICO 87528**

Approved **PIT**

Pit Location: Pit dimensions: length 27' width 26' depth 8'
(Attach diagram) Reference: wellhead X other _____
Footage from reference: 135'
Direction from reference: 70 Degrees East North
West of South

Depth to Ground Water: (Vertical distance from contaminants to nearest high water elevation of ground water)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (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 No	(20 points) (0 points)	☒
Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (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 Greater than 100 feet	(10 points) (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 Greater than 100 feet	(10 points) (0 points)	☒
RANKING SCORE (TOTAL POINTS):			☒

Date Remediation Started:

5/29/97

Date Completed:

7/10/97

Remediation Method:

Excavation

X

Approx. Cubic Yards

208(Check all
appropriate
sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

208

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 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

5'

Sample date

5/29/97

Sample time

0945

Sample Results

Soil: Benzene (ppm)

0.007

Water: Benzene (ppb)

Total BTEX (ppm)

0.191

Toluene (ppb)

Field headspace (ppm)

86.5

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

6/6/97

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

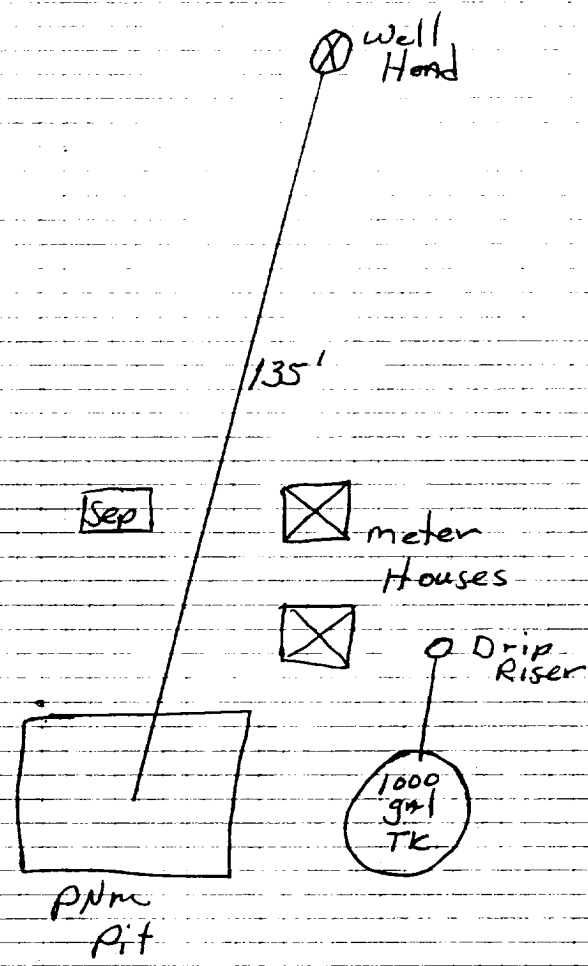
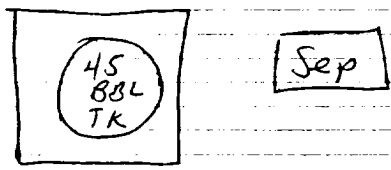
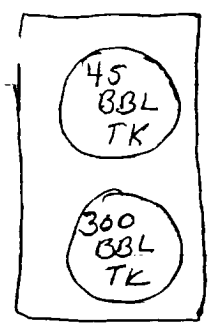
SIGNED:

K. C. Marshall

DATE:

6-9-97

Arizona Jicarilla B-8
Sec. 9 T26N R5W Unit C:
BROG



Arizona Jicarilla B-8
Sec. 9 T26N R5W Unit C
BROG

27'x26'x8'

North Wall
Sample 5'
86.5 ppm

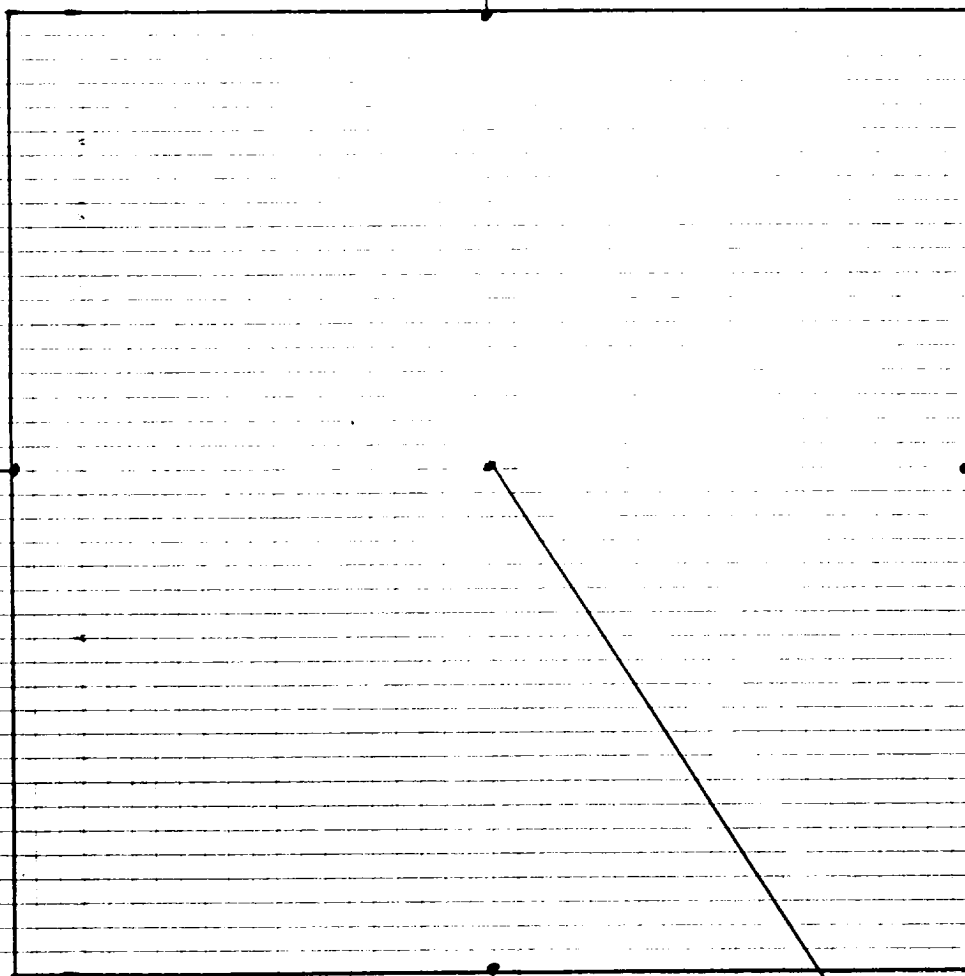
West Wall
Sample 5'
48.8 ppm

East Wall
Sample 5'
33.5 ppm

South Wall
Sample 5'
63.2 ppm

Bottom 8'
Rock

5' Sample = 576 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: *4-Jun-97*
COC No.: *5723*
Sample No.: *14768*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Arizona Jicarilla B-8*

Project Location: *9705290945; 4pt. Composite*

Sampled by: *TE* Date: *29-May-97* Time: *9:45*

Analyzed by: *DC* Date: *3-Jun-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	200	192	4.3	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	96	102	(70-130)	6	20%

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

Approved by: *[Signature]*

Date: *6/4/97*

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: *3-Jun-97*
COC No.: *5723*
Sample No.: *14678*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Arizona Jicarilla B-8*

Project Location: *9705290945; 4pt. Composite*

Sampled by: *TE* Date: *29-May-97* Time: *9:45*

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>Benzene</i>	<i>7</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>25</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>3</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>95</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>62</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>191</i>	<i>ug/kg</i>		

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *6/3/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

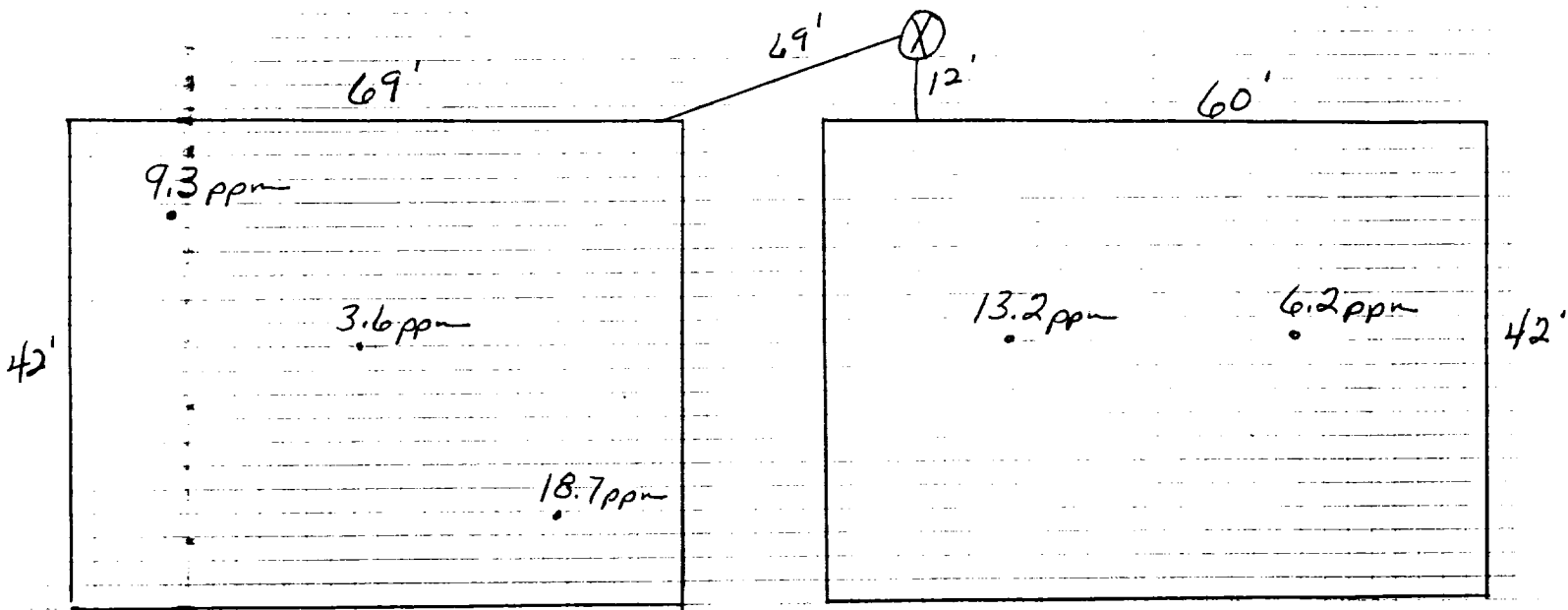
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (BROG)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Arizona Jicarilla B-8</u>	
Location: Unit: <u>C</u> Sec. <u>9</u> T. <u>26</u> N. R. <u>5</u> W. County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>5/29/97</u> Date Completed: <u>6/26/97</u>	
Remediation Method: Landfilled <u>X</u> Approx. cubic yards <u>208</u>	
Composted <u>—</u>	
Other <u>—</u>	
Depth to Ground Water: (pts.) <u>0</u>	Final Closure Sampling: 6/17/97 Sampling Date: <u>6/17/97</u> Time: <u>1521</u> Sampling Results: Field Headspace (ppm) <u>18.7</u> TPH (ppm) <u>6</u> Method: <u>SOIL</u> Other <u>—</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>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>6/26/97</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>Kenneth C. Mammill</u> DATE: <u>6-27-97</u>	

Arizona Jicarilla B-8
Sec. 9 T26N R5W Unit C
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: 23-Jun-97
COC No.: 5489
Sample No.: 15023
Job No.: 2-1000

Project Name: *PNM Gas Services - Arizona Jicarilla B-8 Landfarm*
Project Location: *9706171521; 5pt. Composite*
Sampled by: RB Date: 17-Jun-97 Time: 15:21
Analyzed by: DC/HR Date: 23-Jun-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>	6	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	211	5.5	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	89	86	(70-130)	2	20%

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

Approved by: *[Signature]*
Date: *6/23/97*