

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

FEB 28 1997

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

SUBMIT COPY
NATURAL RESOURCE
AND OIL & GAS

001

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services Telephone: 324-3763

Address: 603 W Elm Farmington, N Mex 87401

Facility or Well Name: Jicarilla A-8

Location: Unit or Qtr/Qtr Sec ^{1450 FNL} E 23 T 26N R 4W County Rio Arriba

Pit Type: Separator ☐ Dehydrator ☒ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 35, width 30, depth 32

(Attach diagram)

Reference: wellhead ☒ other ☐

Footage from reference: 75'

Direction from reference: 10° Degrees ☐ East ☐ North

☐ West of South of West

Depth To Groundwater:

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

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

Distance to an Ephemeral Stream

(Downgradient dry wash greater than
ten feet in width)

Less than 100 feet (10 points) 0
Greater than 100 feet (0 points)

Distance to Nearest Lake, Playa, or Watering Pond

(Downgradient lakes, playas and
livestock or wildlife watering ponds)

Less than 100 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
1000 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 100 feet (20 points)
100 feet to 1000 feet (10 points) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 6/24/96

Date Completed: 7/8/96

Remediation Method: Excavation X

Approx. cubic yards 1,244

(Check all appropriate sections)

Landfarmed X

~~Landfilled~~

Other _____

Remediation Location:

Onsite _____

Offsite X

TNT Landfarm - 1210 cu. yds

(i.e. landfarmed onsite, name and location of offsite facility)

Schmitz Ranch, N. Mex.

General Description of Remedial Action: Removed contaminated soil from all 4 walls to a below 100 ppm headspace reading. Bottom 695 ppm at 32'

Groundwater Encountered:

No X

Yes _____

Depth _____

Final Pit:

Sample location North, East, South, West side walls.

Closure Sampling:

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

Sample depth

32'

Sample date

6/27/96

Sample time

1151

Sample Results

Soil: Benzene

(ppm)

0.193

Water: Benzene

(ppb)

Total BTEX

(ppm)

12.148

Toluene

(ppb)

Field Headspace (ppm)

Ethylbenzene

(ppb)

TPH 8015

(ppm)

23.2

Total Xylenes

(ppb)

Groundwater 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 BELIEF

DATE

7-1-96

PRINTED NAME

Ronald A. Dedrick

SIGNATURE

Ronald A. Dedrick

AND TITLE

E.T.

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

APPROVED: YES ✓

NO _____

(REASON) _____

SIGNED:

Robert Johnson

DATE:

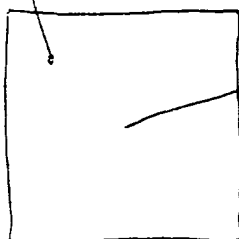
7/1/96

Jicarilla A-8
Sec. 23 T24N R4W
Conoco

Water Houses



D H



75'

Well head



OFF: (505) 325-5667

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *1-Jul-96*
COC No.: *4762*
Sample No. *11343*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla A-8*
Project Location: *9606271151; 5pt. Composite*
Sampled by: *RB* Date: *27-Jun-96* Time: *11:51*
Analyzed by: *DC* Date: *28-Jun-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>23.2</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: *0475-QC*

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
<i>Diesel Range (C10 - C28)</i>	<i>< 5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>2,011</i>	<i>0.6</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
<i>Diesel Range (C10-C28)</i>	<i>117</i>	<i>112</i>	<i>(70-130)</i>	<i>3</i>	<i>20%</i>

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

Approved by: *JCK*Date: *7/1/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

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OFF: (505) 325-5667

ON SITE

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AROMATIC VOLATILE ORGANICS

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *1-Jul-96*
COC No.: *4762*
Sample No.: *11343*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla A-8*
Project Location: *9606271151; 5pt. Composite*
Sampled by: *RB* Date: *27-Jun-96* Time: *11:51*
Analyzed by: *DC* Date: *28-Jun-96*
Sample Matrix: *Soil*

Laboratory Analysis

Component	Result	Unit of Measure	Detection Limit	Unit of Measure
<i>Benzene</i>	193.0	ug/kg	0.2	ug/kg
<i>Toluene</i>	2359.2	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	726.8	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	5774.8	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	3094.6	ug/kg	0.2	ug/kg
	<i>TOTAL</i>	12148.4		ug/kg

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

Approved by: *[Signature]*

Date: *7/1/96*

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