

Dennis A. Tost
DEPUTY OIL & GAS INSPECTOR

FEB 28 1997

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

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NATURAL RESOURCE DE
AND OIL & GAS ADMINISTRATION

RECEIVED
OCT 31 1996

PIT REMEDIATION AND CLOSURE REPORT

OIL SPILL DIV.
DISTRICT 8

Operator: PNM Gas Services Telephone: 324-3763
Address: 603 W. Elm Farmington, N Mex 87401
Facility or Well Name: Jicarilla A-20 (Conoco)
Location: Unit or Qtr/Qtr Sec E Sec 23 T26N R4W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 33', width 24', depth 32'
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 99

Direction from reference: 15° Degrees ☐ East North of West
of ☐ West ☐ South ☐

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)
Greater than 100 feet (0 points) 10

Distance to Nearest Lake, Playa, or Watering Pond

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

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

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)
No (0 points) 0

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)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 6/24/96 Date Completed: 7/10/96
Remediation Method: Excavation ☒ Approx. cubic yards 939
(Check all appropriate sections) Landfarmed ☒ ~~Other~~

Other _____
Remediation Location: Onsite ☐ Offsite ☒ TNT Land farm
(i.e. landfarmed onsite, name and location of offsite facility) Schmitz Ranch

General Description of Remedial Action: Removed contaminated soil from all four walls to a below 100 ppm head space reading. Bottom 157 ppm

Groundwater Encountered: No ☒ Yes ☐ Depth _____

Final Pit: Sample location North, East, South, West side
Closure Sampling: walls and bottom of pit.
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 32'
Sample date 6/25/96 Sample time 1021

Sample Results

Soil: Benzene (ppm)	<u>0.002</u>	Water: Benzene (ppb)	_____
Total BTEX (ppm)	<u>0.071</u>	Toluene (ppb)	_____
Field Headspace (ppm)	_____	Ethylbenzene (ppb)	_____
TPH <u>8015</u> (ppm)	<u>6.9</u>	Total Xylenes (ppb)	_____

Groundwater Sample: Yes ☐ No ☒ (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 6/24/96 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.

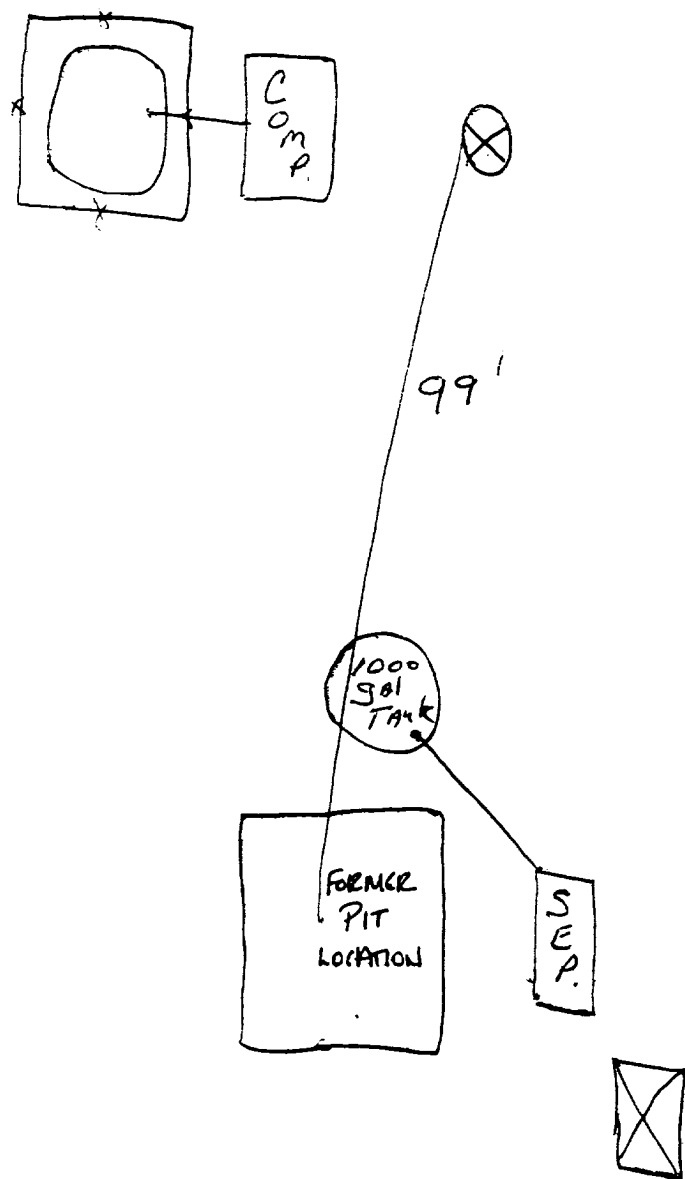
APPROVED: YES ☒ NO ☐ (REASON) _____

SIGNED: [Signature] DATE: 7/1/96

Jicarilla A-20

Sec. 23 T26N R4W Unit E

Conoco



OFF: (505) 325-5667



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.: *4571*
Sample No. *11342*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla A20*
Project Location: *9606251021; 5pt. Composite*
Sampled by: *RB* Date: *25-Jun-96* Time: *10:21*
Analyzed by: *DC* Date: *28-Jun-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>6.9</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0475-QC

Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<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

<i>Parameter</i>	<i>1- Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<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: *Jack*
Date: *7/1/96*

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OFF: (505) 325-5667



LAB: (505) 325-1556

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.: *4571*
Sample No.: *11342*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla A20*
Project Location: *9606251021; 5pt. Composite*
Sampled by: *RB* Date: *25-Jun-96* Time: *10:21*
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>	<i>2.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>9.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i><0.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>45.7</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>14.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>		<i>71.0</i>		<i>ug/kg</i>

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

Approved by: *[Signature]*
Date: *7/1/96*

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