

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

OCT 11 9 1996

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

SUBMIT TO
NATURAL RESOURCE

RECEIVED
JUL 30 1996

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

Operator: PNM Gas Services Telephone: 324-3763
Address: 603 W Elm Farmington, N. Mex 87401
Facility or Well Name: Jicarilla A-13 (Conoco)
Location: Unit or Qtr/Qtr Sec E Sec 13 T24N R4W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 35, width 30, depth 21
(Attach diagram)
Reference: wellhead ☒, other ☐
Footage from reference: 95'
Direction from reference: 15 Degrees ☐ East North of East
☐ 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) 0

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): 0

Jicarilla A-13

Date Remediation Started: 5/30/96 Date Completed: 6/11/96
Remediation Method: Excavation ☒ Approx. cubic yards 650
(Check all appropriate sections) Landfarmed ☐ Amt. landfarmed (yd³) 600

Other ☐

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

General Description of Remedial Action: Removal of contaminated soil to field head space readings of less than 100ppm.

Groundwater Encountered: No ☒ Yes ☐ Depth ☐

Final Pit: Sample location North, East, South, West side
Closure Sampling: walls and bottom of pit center
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 21'
Sample date 5/30/96 Sample time 1440

Sample Results

Soil: Benzene (ppm) ☐ Water: Benzene (ppb) ☐
Total BTEX (ppm) ☐ Toluene (ppb) ☐
Field Headspace (ppm) 69.1 Ethylbenzene (ppb) ☐
TPH 8015 (ppm) <5.0 mg/kg 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

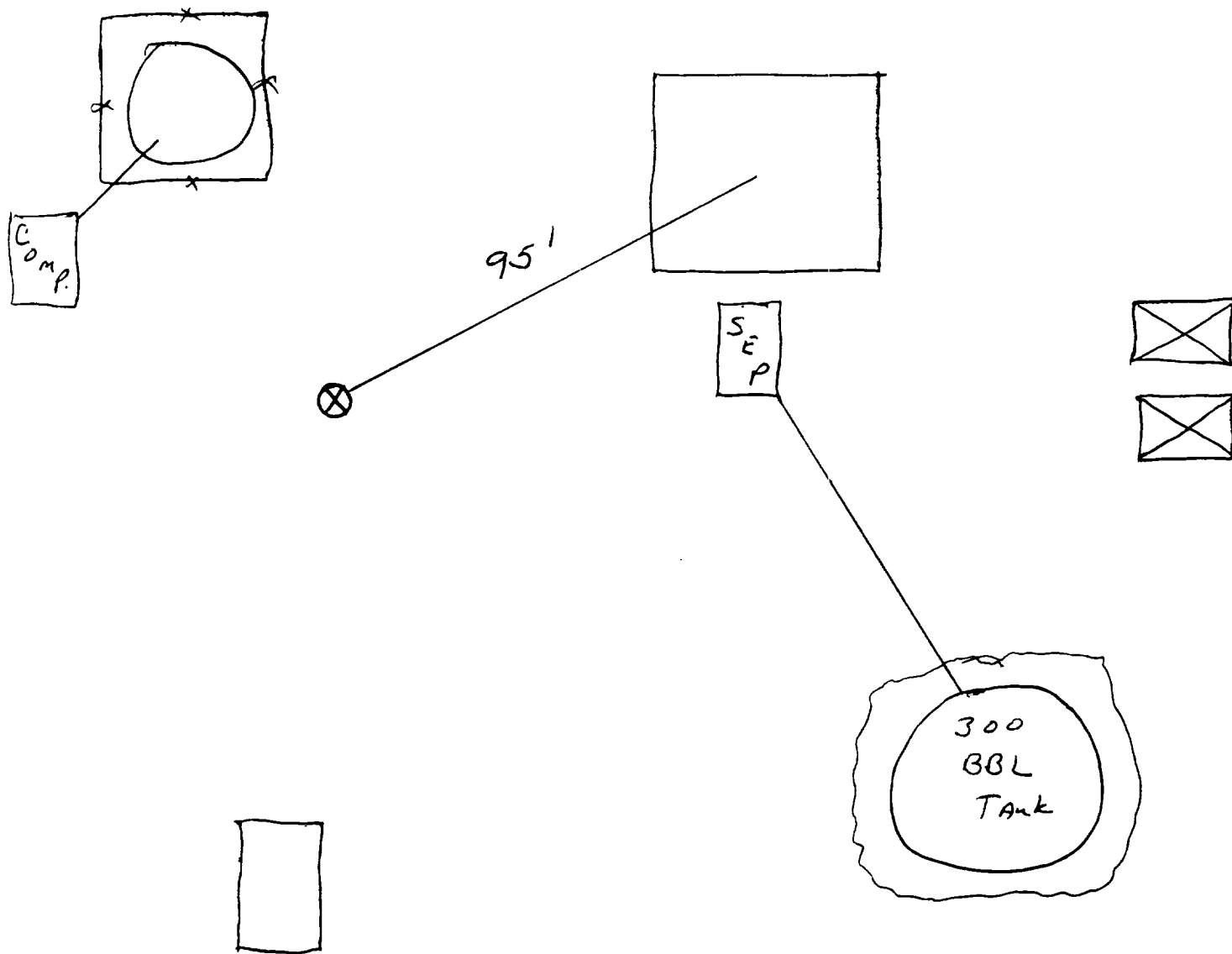
DATE 6/4/96 PRINTED NAME Ronald A Dedrick
SIGNATURE Ronald A Dedrick AND TITLE E.T.

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

APPROVED: YES ☒ NO ☐ (REASON) ☐

SIGNED: Kas C. Marshall DATE: 6-5-96

Jicarilla A-13
Conoco
Sec. 13 T26N R4W Unit E



OFF: (505) 325-8786



LAB: (505) 325-5667

Diesel Range Organics

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

Date: *4-Jun-96*
COC No.: *4673*
Sample No. *11033*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Jicarilla A-13***
Project Location: ***9605301443; North Wall***
Sampled by: *RB* Date: *30-May-96* Time: *14:43*
Analyzed by: *HR* Date: *3-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><5.0</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>1,840</i>	<i>8.0</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>97</i>	<i>99</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>

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

Approved by: 

Date: *6/4/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —



OFF: (505) 325-8786

LAB: (505) 325-5667

Diesel Range Organics

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

Date: *4-Jun-96*
COC No.: *4673*
Sample No. *11034*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Jicarilla A-13***

Project Location: ***9605301500; East Wall***

Sampled by: *RB* Date: *30-May-96* Time: *15:00*

Analyzed by: *HR* Date: *3-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><5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

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Approved by: *[Signature]*
Date: *6/4/96*

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LAB: (505) 325-5667

Diesel Range Organics

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

Date: *4-Jun-96*
COC No.: *4673*
Sample No. *11035*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla A-13*
Project Location: *9605301454; South Wall*
Sampled by: *RB* Date: *30-May-96* Time: *14:54*
Analyzed by: *HR* Date: *3-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>< 5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

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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>1,840</i>	<i>8.0</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>97</i>	<i>99</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>

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Approved by: *[Signature]*
Date: *6/4/96*

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OFF: (505) 325-8786



LAB: (505) 325-5667

Diesel Range Organics

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

Date: *4-Jun-96*
COC No.: *4673*
Sample No. *11036*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Jicarilla A-13***
Project Location: ***9605301440; West Wall***
Sampled by: *RB* Date: *30-May-96* Time: *14:40*
Analyzed by: *HR* Date: *3-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>< 5.0</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>1,840</i>	<i>8.0</i>	<i>15%</i>

Matrix Spike

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<i>Diesel Range (C10-C28)</i>	<i>97</i>	<i>99</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>

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Approved by: *Jack*
Date: *6/4/96*

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OFF: (505) 325-8786



LAB: (505) 325-5667

Diesel Range Organics

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

Date: *4-Jun-96*
COC No.: *4673*
Sample No. *11037*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla A-13*
Project Location: *9605301508; Bottom of Pit*
Sampled by: *RB* Date: *30-May-96* Time: *15:08*
Analyzed by: *HR* Date: *3-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><5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

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<i>Parameter</i>	<i>1 - Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
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Approved by: *JC*

Date: *6/4/96*

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