

Denny S. Frost
DEPUTY OIL & GAS INSPECTOR

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

FEB 28 1997

NEW MEXICO
NATURAL RESOURCES
AND OIL & GAS ADMINISTRATION

RECEIVED
OCT 31 1997

PIT REMEDIATION AND CLOSURE REPORT

OIL, COAL, & GAS
DIST. 8

Operator: PNM Gas Services Telephone: 324-3763

Address: 603 W. Elm Farmington, N. Mex 87401

Facility or Well Name: Jicarilla E-3 (Conoco)

Location: Unit or Qtr/Qtr Sec B Sec 15 T 26N R 4W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 38', width 29', depth 14' (see pit diagram)
(Attach diagram) 24' 9' 14'

Reference: wellhead X, other

Footage from reference: 165'

Direction from reference: 15° Degrees East North of West
 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) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 7/1/96 Date Completed: 7/15/96
Remediation Method: Excavation X Approx. cubic yards 700
(Check all appropriate sections) Landfarmed X ~~Landfill~~
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: Removed contaminated soil from all 4 walls to a below 100 ppm head space readings Bottom was solid rock

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location North, East, South, West side
Closure Sampling: walls and pit bottom was rock
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 13'

Sample date 7/1/96 Sample time 1430

Sample Results

Soil: Benzene (ppm) 0.0014 Water: Benzene (ppb) _____

Total BTEX (ppm) 0.0059 Toluene (ppb) _____

Field Headspace (ppm) 43.9 (Highest Reading East wall) Ethylbenzene (ppb) _____

TPH 8015 (ppm) 27.5 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

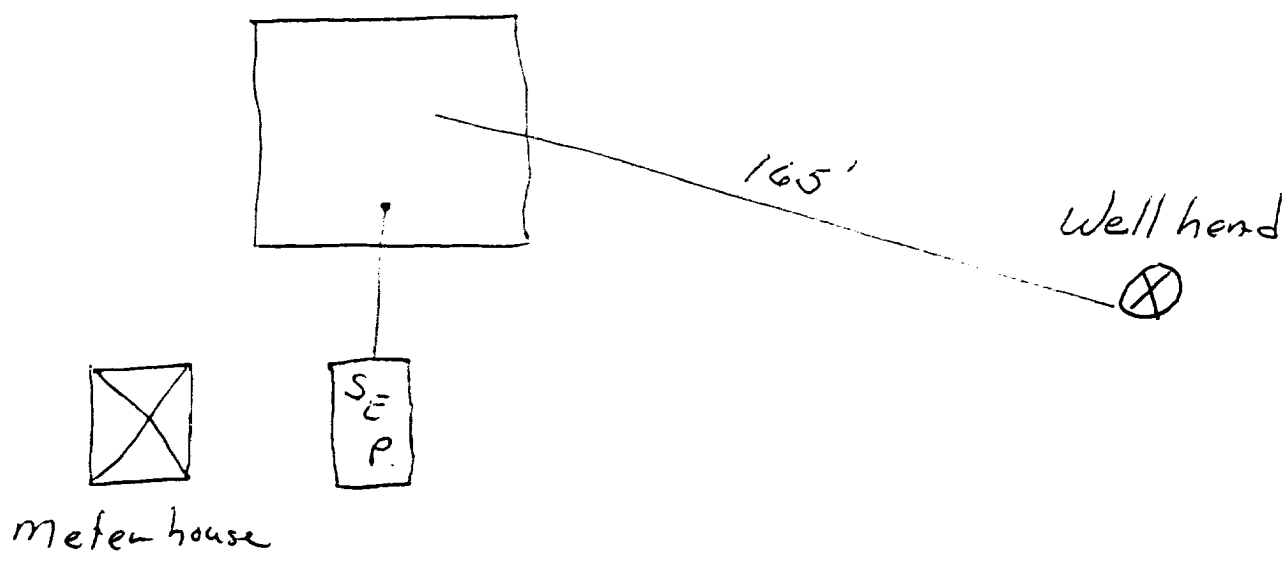
DATE 7/1/96 PRINTED NAME Ronald A. Dedrick
SIGNATURE Ronald A. Dedrick AND TITLE E.T.

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

APPROVED: YES X NO _____ (REASON) _____

SIGNED: Ken C. Mamm DATE: 7-9-96

Jicarilla E-3
Sec. 15 T26N R4W Unit B
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: *8-Jul-96*
COC No.: *4567*
Sample No. *11408*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla E-3 Run 12-41*
Project Location: *9607011430; 4pt. Composite*
Sampled by: *EP* Date: *1-Jul-96* Time: *14:30*
Analyzed by: *DC* Date: *3-Jul-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>27.5</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>1,915</i>	<i>4.3</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: *[Signature]*
Date: *7/8/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

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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: *8-Jul-96*
COC No.: *4567*
Sample No.: *11408*
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Project Name: *PNM Gas Services - Jicarilla E-3 Run 12-41*
Project Location: *9607011430; 4pt. Composite*
Sampled by: *EP* Date: *1-Jul-96* Time: *14:30*
Analyzed by: *DC* Date: *3-Jul-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Component</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Benzene</i>	<i>1.4</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>1.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>0.3</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>1.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>0.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>5.9</i>	<i>ug/kg</i>		

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

Approved by: *[Signature]*
Date: *7/8/96*

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