

Denny S. Faust
DEPUTY OIL & GAS INSPECTOR

FEB 28 1997

Approved

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

SUBMIT COPY TO
NATURAL RESOURCE DEPT

RECEIVED
OCT 31 1998

PIT REMEDIATION AND CLOSURE REPORT

OIL & GAS DIV.
DIST. 3

Operator: PNM Gas Services Telephone: 324-3763
Address: 603 W. Elm Farmington, N. Mex. 87401
Facility or Well Name: Jicarilla E-2 (Conoco)
Location: Unit or Qtr/Qtr Sec K Sec 15 T 26N R 4W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 35, width 24, depth 22
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 138'
Direction from reference: 60 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) 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: 6/5/96 Date Completed: 7/11/96
Remediation Method: Excavation X Approx. cubic yards 684.44
(Check all appropriate sections) Landfarmed ~~Other~~

Remediation Location: Onsite Offsite TNT Commercial Landfarm
(i.e. landfarmed onsite, name and location of offsite facility) Schmitz Ranch, NM

General Description of Remedial Action: Removal of contaminated soil to a field head space reading of less than 100 ppm on 4 side walls. Bottom of pit dug 2' and resampled botto. 453 ppm. 61.9 ppm
Groundwater Encountered: No X 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 23'
Sample date 6/6/96 Sample time 1009

Sample Results

Soil: Benzene 8020 (ppm) 0.296 Water: Benzene (ppb)
Total BTEX (ppm) 2.423 Toluene (ppb)
Field Headspace (ppm) 61.9 Ethylbenzene (ppb)
TPH 8015 (ppm) <5.0 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 6/9/96 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.

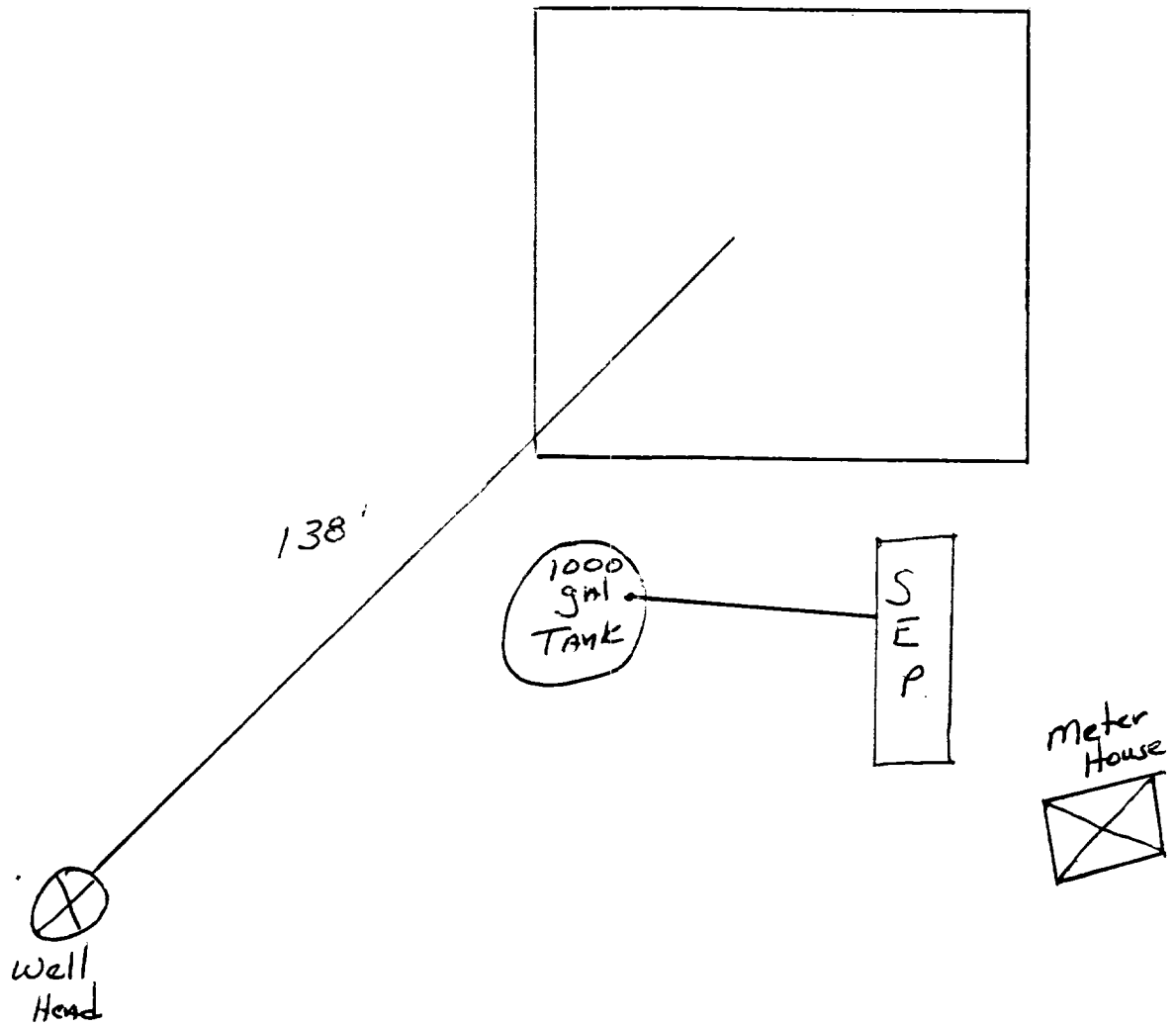
APPROVED: YES ✓ NO (REASON)

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

Jicarilla E-2

015 T26N R4W UNIT K

35' x 24' x 22'



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: *8-Jun-96*
COC No.: *4651*
Sample No. *11113*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla E-2*
Project Location: *9606061009; 5pt. Composite, 4 Walls & Bottom*
Sampled by: *RD* Date: *6-Jun-96* Time: *10:09*
Analyzed by: *HR* Date: *7-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>1,765</i>	<i>1,897</i>	<i>7.5</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>106</i>	<i>105</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

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

Approved by: *Da4*
Date: *6/8/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

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OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

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

Date: *8-Jun-96*
COC No.: *4651*
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Sampled by: *RD* Date: *6-Jun-96* Time: *10:09*
Analyzed by: *DC* Date: *7-Jun-96*
Sample Matrix: *Soil*

Aromatic Volatile Organics

<i>Component</i>	<i>Result</i>	<i>Units of Measure</i>	<i>Detection Limit</i>	<i>Units of Measure</i>
<i>Benzene</i>	<i>296.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>1121.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>88.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>748.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>168.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>2422.6</i>	<i>ug/kg</i>		

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

Approved by: *[Signature]*
Date: *6/8/96*

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