

Denny S. 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 D
AND OIL & GAS ADMINISTRAT

RECEIVED
OCT 31 1996

OIL & GAS DIV.
DET. 8

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services Telephone: 324-3763
Address: 603 W. Elm Farmington, N Mex. 87401
Facility or Well Name: Axi Apache O-2 (Conoco)
Location: Unit or Qtr/Qtr Sec D Sec 3 T25N R4W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 34', width 33', depth 18'
(Attach diagram)
Reference: wellhead ☒, other ☐
Footage from reference: 99'
Direction from reference: Straight Degrees ☐ East North ☐
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) <u>0</u>
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) <u>10</u>
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) <u>0</u>
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) <u>0</u> 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) Greater than 1000 feet (0 points) <u>0</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 7/8/96 Date Completed: _____
Remediation Method: Excavation X Approx. cubic yards 748
(Check all appropriate sections) Landfarmed X ~~Other~~ 220
Other _____

Remediation Location: Onsite Offsite TNT Land farm
(i.e. landfarmed onsite, name and location of offsite facility) 388yds Schmitz Ranch, N. Mex.

General Description of Remedial Action: Removed contaminated soil from all four walls and pit bottom to a below 100 ppm headspace reading.

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location North, East, South, West side walls
Closure Sampling: And Bottom of pit.
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 18'
Sample date 7/9/96 Sample time 0822

Sample Results

Soil: Benzene (ppm) _____	Water: Benzene (ppb) _____
Total BTEX (ppm) _____	Toluene (ppb) _____
Field Headspace (ppm) <u>5.6</u>	Ethylbenzene (ppb) _____
TPH <u>8015</u> (ppm) <u><5.0</u>	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

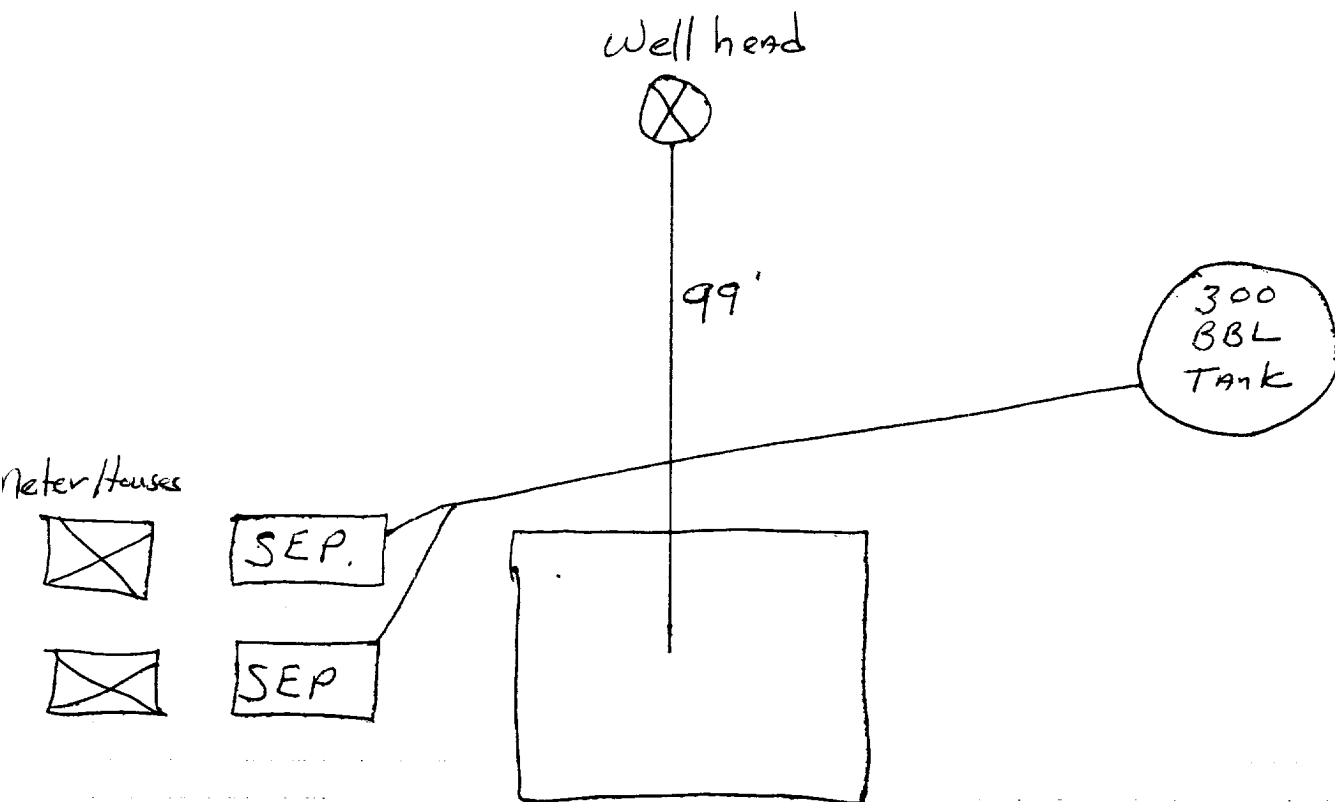
DATE 7/9/96 PRINTED NAME Ronald A Dedrick
SIGNATURE Ronald A Dedrick AND TITLE E.T.

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

APPROVED: YES X NO _____ (REASON) _____

SIGNED: Ronald A Dedrick DATE: 7-16-96

7x1 Apache O - 2
Sec. 3 T25N R4W Unit D
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: *15-Jul-96*
COC No.: *4787*
Sample No. *11489*
Job No. *2-1000*

Project Name: ***PNM Gas Services - AXI Apache 02 Run 12-51***
Project Location: ***9607090822; 5pt. Composite***
Sampled by: *EP* Date: *9-Jul-96* Time: *8:22*
Analyzed by: *DC* Date: *12-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><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>1,832</i>	<i>8.4</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>107</i>	<i>106</i>	<i>(70-130)</i>	<i>0</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *7/15/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

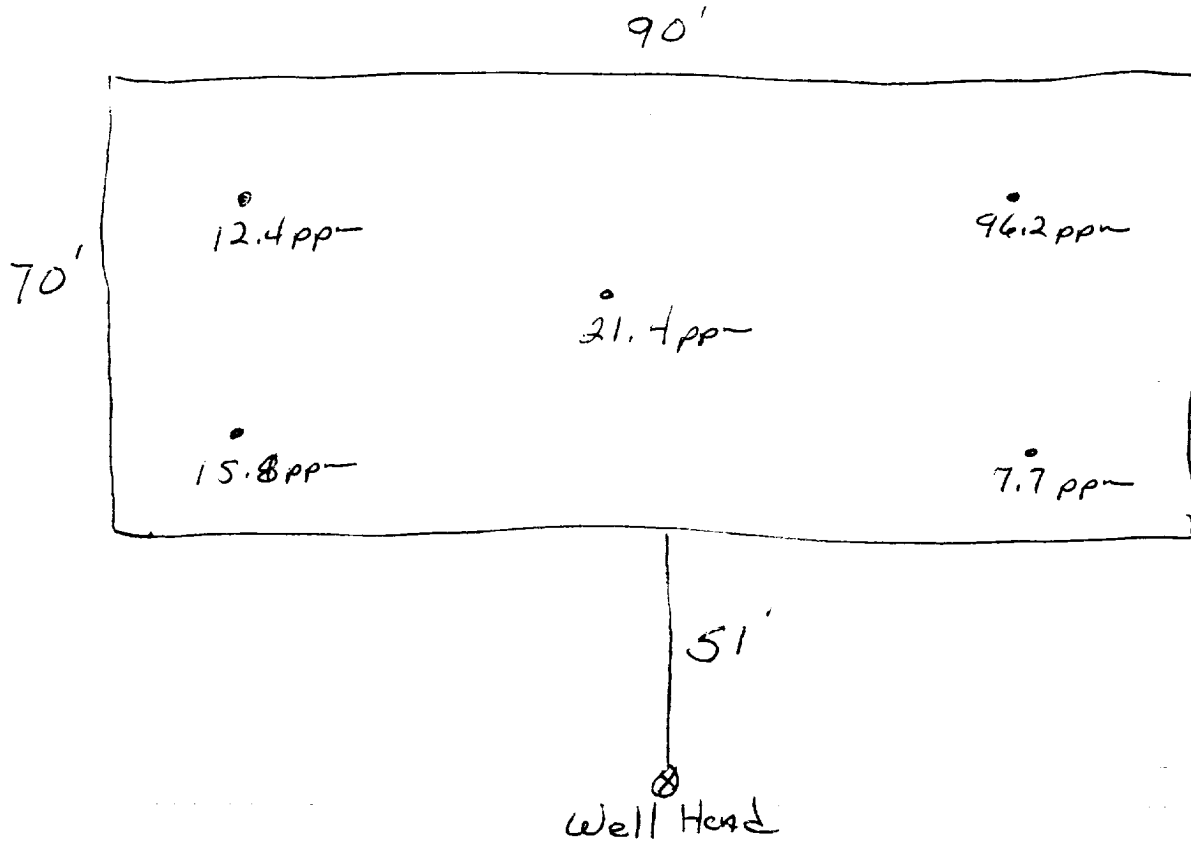
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services</u> Telephone: <u>324-3763</u>	
Address: <u>603 W. Elm Farmington, N. Mex 87401</u>	
Facility or Well Name: <u>Axi Apache O-2 (Conoco)</u>	
Location: Unit or Qtr/Qtr Sec <u>D</u> Sec <u>3</u> T <u>25N</u> R <u>4W</u> County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>7/8/96</u> Date Completed: <u>8/11/96</u>	
Remediation Method: Landfarmed <input checked="" type="checkbox"/> Approx. cubic yards <u>388</u> Composted <input type="checkbox"/> Other <input type="checkbox"/>	
Depth To Groundwater: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>8/6/96</u> Time: <u>1731</u> Sample Results: Field Headspace (ppm) <u>96.2</u> TPH (ppm) <u>105</u> Method <u>8015</u> Other <input type="checkbox"/>
Distance to an Ephemeral Stream (pts.) <u>10</u>	
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>	
Wellhead Protection Area: (pts.) <u>0</u>	
Distance To Surface Water: (pts.) <u>0</u>	
RANKING SCORE (TOTAL POINTS): <u>10</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>8/11/96</u>	PRINTED NAME <u>Ronald A Dedrick</u>
SIGNATURE <u>Ronald A Dedrick</u>	AND TITLE <u>E.T. II</u>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) _____	
SIGNED: <u>Karena Castillo</u> DATE: <u>August 12, 1996</u>	

7xi Apache O-2
Sec. 3 T25N R4W Unit D
Monoco

Land Farm



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-Aug-96*
COC No.: *4824*
Sample No. *11693*
Job No. *2-1000*

Project Name: *PNM Gas Services - Axi Apache 02 Landfarm Run 12-51*
Project Location: *9608061731; 5pt. Composite*
Sampled by: *RD* Date: *6-Aug-96* Time: *17:31*
Analyzed by: *DC* Date: *8-Aug-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>104.6</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: *0479-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>100</i>	<i>101</i>	<i>1.0</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>96</i>	<i>91</i>	<i>(70-130)</i>	<i>4</i>	<i>20%</i>

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

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