

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

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

FEB 28 1997

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NATURAL RESOURCE D

OIL & GAS ADMINISTRATION
RECEIVED
OCT 31 1997

OIL & GAS DIV

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services Telephone: 324-3743

Address: 603 W Elm Farmington N Mex 87401

Facility or Well Name: Jicarilla J-6 (Meridian)

Location: Unit or Qtr/Qtr Sec D Sec 25 T 24N R 5W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 16, width 10, depth 6
(Attach diagram)

Reference: wellhead ☒ other ☐

Footage from reference: 60

Direction from reference: 80 Degrees of East North South of East
West

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) 0
Greater than 100 feet (0 points)

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) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 7/22/96 Date Completed: _____
Remediation Method: Excavation X Approx. cubic yards 36
(Check all appropriate sections) Landfarmed X
Other _____
Remediation Location: Onsite X Offsite _____
(i.e. landfarmed onsite, name and location of offsite facility)
General Description of Remedial Action: Removed contaminated soil HS to get A below 100 ppm head space reading on all 4 walls + pit bottom.
Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location North, East, South, West sides
Closure Sampling: walls and pit bottom
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 6'
Sample date 7/22/96 Sample time 0940

Sample Results

Soil: Benzene (ppm)	_____	Water: Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>11.5</u>	Ethylbenzene (ppb)	_____
TPH 8015 (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

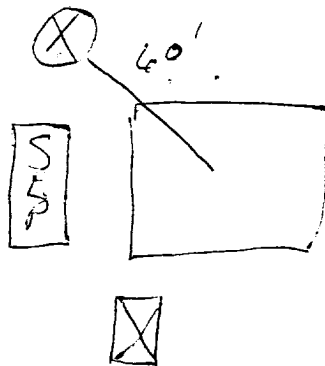
DATE 7/22/96 PRINTED NAME Ronald A. Dedrick
SIGNATURE Ronald A. Dedrick AND TITLE E.T.

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: Robert Johnson DATE: 7/31/96

Jicarilla J-4
Sec. 25 T26N R5W
Meridian



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: *29-Jul-96*
COC No.: *4801*
Sample No. *11607*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla J-6 Run 12-01*
Project Location: *9607220940; 5pt. Composite*
Sampled by: *EP* Date: *22-Jul-96* Time: *9:40*
Analyzed by: *DC* Date: *29-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.: 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>2,000</i>	<i>1,977</i>	<i>1.1</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>109</i>	<i>99</i>	<i>(70-130)</i>	<i>7</i>	<i>20%</i>

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

Approved by: *[Signature]*

Date: *7/29/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

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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>PWA One Services</u> Telephone: <u>324-3763</u>	
Address: <u>608 W. Elm Farmington N. Mex. 87401</u>	
Facility or Well Name: <u>Jicarilla J 6 (Mondito)</u>	
Location: Unit or Qtr/Qtr Sec _____ Sec <u>25</u> T <u>26N</u> R <u>4W</u> County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>7/22/96</u> Date Completed: _____	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>36</u>	
Composted _____	
Other _____	
Depth To Groundwater: (pts.) <u>2</u>	Final Closure Sampling: Sampling Date: <u>8/13/96</u> Time: <u>1015</u> Sample Results: Field Headspace (ppm) <u>17</u> TPH (ppm) <u><5.0</u> Method <u>8015</u> Other _____
Distance to an Ephemeral Stream (pts.) <u>10</u>	
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>2</u>	
Wellhead Protection Area: (pts.) <u>2</u>	
Distance To Surface Water: (pts.) <u>2</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>8/18/96</u>	PRINTED NAME <u>Ronald A. Dedrick</u>
SIGNATURE <u>Ronald A. Dedrick</u>	AND TITLE <u>E.T.</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 <u>X</u> NO _____ (REASON) _____	
SIGNED: <u>Kurt Mamm</u> DATE: <u>8-19-96</u>	

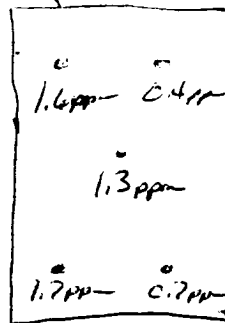
Jicarilla J-4
Sec 25 T26N R5W
Meridian

Land Farm

Well Head
Jicarilla J-4



108'



27'

18

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: *16-Aug-96*
COC No.: *4839*
Sample No. *11783*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla J-6 Landfarm Run 12-01*

Project Location: *9608131015; 5pt. Composite*

Sampled by: *RD* Date: *13-Aug-96* Time: *10:15*

Analyzed by: *DC/HR* Date: *16-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>< 5.0</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>97</i>	<i>2.9</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>112</i>	<i>114</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: *[Signature]*

Date: *8/16/96*

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