

Denny J. ...
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

MAR 28 1997

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services		<i>Meridian</i>		Telephone:	324-3764					
Address:	603 W. Elm Street Farmington, NM 87401										
Facility or Well Name:	<i>Arizona Jicarilla #2</i>										
Location:	Unit:	<i>D</i>	Sec.	<i>26</i>	T.	<i>25 N</i>	R.	<i>4 W</i>	County	<i>Rio Arriba</i>	
Pit Type:	Separator <input checked="" type="checkbox"/>		Dehydrator		Other						
Land Type:	<i>Jicarilla Apache</i>										
Pit Location:	Pit dimensions:		length <i>19'</i>		width <i>18'</i>		depth <i>15'</i>				
(Attach diagram)	Reference:		wellhead <input checked="" type="checkbox"/>		other						
			Footage from reference:		<i>57'</i>						
			Direction from reference:		<i>Straight</i> Degrees <input checked="" type="checkbox"/> East		North				
					West		of South				
Depth to Ground Water:					Less than 50 feet		(20 points)				
(Vertical distance from contaminant to seasonal high water elevation or ground water)					50 feet to 99 feet		(10 points)		<i>0</i>		
					Greater than 100 feet		(0 points)				
Wellhead Protection Area:					Yes		(20 points)		<i>0</i>		
(Less than 200 feet from a private domestic water source, or: less than 1,000 feet from all other water sources)					No		(0 points)				
Distance to Surface Water:					Less than 200 feet		(20 points)				
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)					200 feet to 1,000 feet		(10 points)		<i>0</i>		
					Greater than 1,000 feet		(0 points)				
Distance to Ephemeral Stream (dry wash):					Less than or equal to 100 feet		(10 points)		<i>0</i>		
(Horizontal distance to all downgradient streams having a width of at least 10 feet)					Greater than 100 feet		(0 points)				
Distance to Nearest Lake, Playa, or Watering Pond:					Less than or equal to 100 feet		(10 points)		<i>0</i>		
(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)					Greater than 100 feet		(0 points)				
RANKING SCORE (TOTAL POINTS):										<i>0</i>	

Date Remediation Started: 9/16/96 Date Completed: 10/8/96

Remediation Method: Excavation X Approx. Cubic Yards 190

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 190

Other _____

Remediation Location: Onsite X Offsite _____
(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all four side walls and bottom of pit as to get a below 100 ppm head space reading.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling: Sample Location North, East, South, West side walls and bottom of pit

(if multiple samples, attach sample result and diagram of sample locations and depths.) Sample depth 15'

Sample date 9/16/96 Sample time 1010

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 89.4 Ethylbenzene (ppb) _____

TPH <5.0 ppm Method 8015 Total Xylenes (ppb) _____

Ground Water 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 MY BELIEF

DATE 9/22/96 PRINTED NAME Ronald A. Dedrick

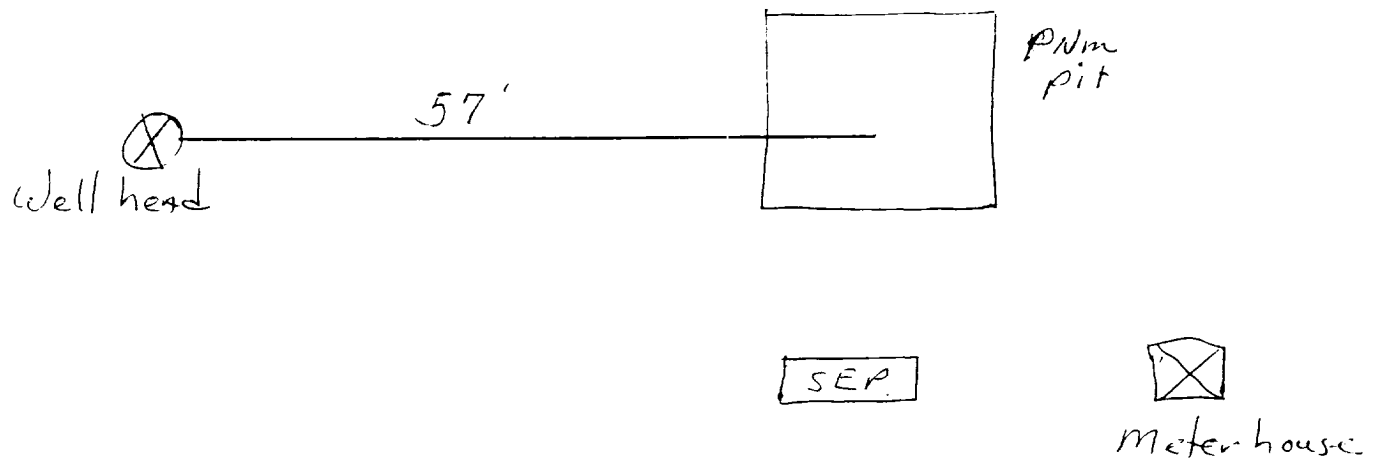
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

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

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kenn C. Marshall DATE: 9-24-96

Arizona Jicarilla #2
Sec. 26 T25N R4W Unit D
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: *18-Sep-96*
COC No.: *5268*
Sample No. *12184*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Arizona Jicarilla #2***
Project Location: ***9609161010; 5pt. Composite***
Sampled by: *EP* Date: *16-Sep-96* Time: *10:10*
Analyzed by: *DC* Date: *18-Sep-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.: 0489-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>95</i>	<i>4.8</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>91</i>	<i>81</i>	<i>(70-130)</i>	<i>8</i>	<i>20%</i>

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

Approved by: *Jack*
Date: *9/19/96*

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

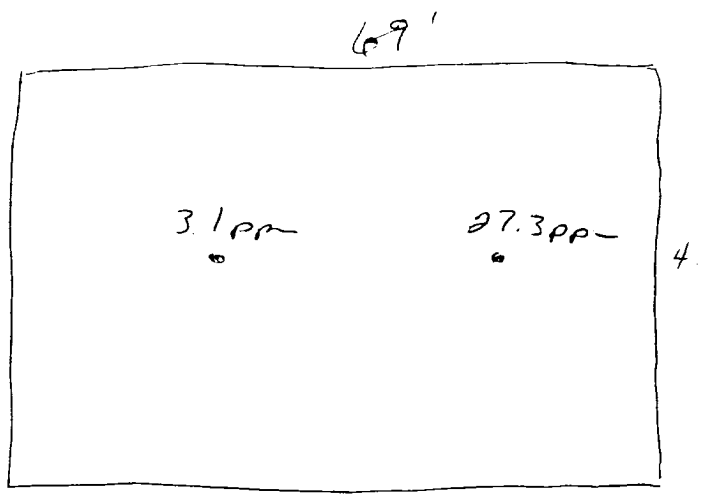
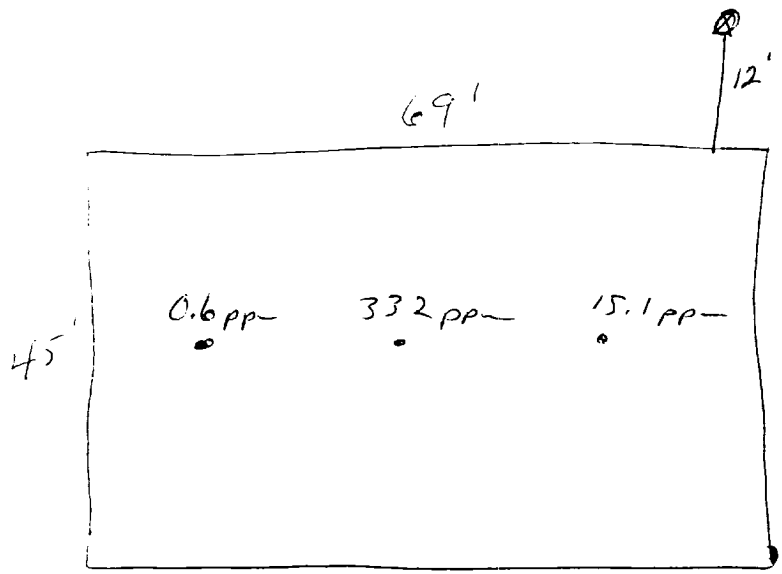
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Meridian) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Arizona Jicarilla #2	
Location: Unit: D Sec. 26 T. 25 N R. 4 W County Rio Arriba	
Land Type: Jicarilla Apache	
Date Remediation Started: 9/16/96 Date Completed: 10/2/96	
Remediation Method: Landfarmed X Approx. cubic yards 190	
Composted _____	
Other _____	
Depth to Ground Water: (pts.) 0	Final Closure Sampling: Sampling Date: 10/2/96 Time 1022 Sampling Results: Field Headspace (ppm) 332 TPH (ppm) <5.0 Method GC/MS Other _____
Distance to an Ephemeral Stream: (pts.) 0	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) 0	
Wellhead Protection Area: (pts.) 0	
Distance to Surface Water: (pts.) 0	
Ranking Score (Total Points): 0	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE 10/5/96 PRINTED NAME Ronald A. Dedrick	
SIGNATURE <u>Ronald A. Dedrick</u> AND TITLE Environmental Technician II	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES <input checked="" type="checkbox"/> NO _____ (REASON) _____	
SIGNED: <u>Debra J. [Signature]</u> DATE: 10/7/96	

Arizona - Jicarilla <
Sec. 26 T25N R4W Unit D
Meridian-

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: *3-Oct-96*
COC No.: *5333*
Sample No. *12430*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Arizona Jicarilla .2 Landfarm Run 12-61***
Project Location: ***9610021022; 5pt. Composite***
Sampled by: *RD* Date: *2-Oct-96* Time: *10:22*
Analyzed by: *BV* Date: *3-Oct-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.: *0489-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>94</i>	<i>5.8</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>91</i>	<i>79</i>	<i>(70-130)</i>	<i>10</i>	<i>20%</i>

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

Approved by: 
Date: *10/3/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -