

DEPUTY OIL & GAS INSPECTOR

FEB 26 1998

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

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Chateau)	Telephone:	324-3764
Address:	603 W. Elm Street Farmington, NM 87401		
Facility or Well Name:	Huron 4		
Location:	Unit: <u>P</u>	Sec. <u>2</u>	T. <u>26</u> N R. <u>4</u> W County <u>Rio Arriba</u>
Pit Type:	Separator <u>XX</u>	Dehydrator <u> </u>	Other <u> </u>
Land Type:	<u>Jicarilla Apache</u>		

Pit Location:	Pit dimensions:	length <u>31'</u>	width <u>28'</u>	depth <u>9'</u>
(Attach diagram)	Reference:	wellhead <u>X</u>	other <u> </u>	
	Footage from reference:	<u>108'</u>		
	Direction from reference:	<u>45</u> Degrees	East <u> </u>	North <u> </u>
			West <u> </u>	South <u> </u>

Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	<u>0</u>
Wellhead Protection Area: <small>(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)</small>	Yes No	(20 points) (0 points)	<u>0</u>
Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)	<u>0</u>
Distance to Ephemeral Stream (dry wash): <small>(Horizontal distance to all downgradient streams having a width of at least 10 feet)</small>	Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond: <small>(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)</small>	Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS):	<u>0</u>
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Date Remediation Started: 8/5/97 Date Completed: 9/17/97

Remediation Method: Excavation X Approx. Cubic Yards 289

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 289

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 as to get a below 100 ppm head space reading. Bottom is rock.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South and West side walls

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 4'

Sample date 8/5/97 Sample time 0931

Sample Results

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

Total BTEX (ppm) 0.003 Toluene (ppb) _____

Field headspace (ppm) 8.1 Ethylbenzene (ppb) _____

TPH 14 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 8/15/97 PRINTED NAME Ronald A. Dedrick

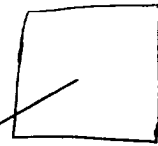
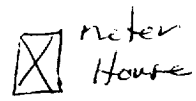
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

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): Spring + close

SIGNED: Kenneth M. M... .. DATE: 8-18-97

Station 1
Sec. 2 T26N R4W Unit P
Chateau



pump
pit



108'

Huron 4
Sec. 2 T26N R4W Unit P
Chateau

31' x 28' x 9'

North Wall
Sample 4'
2.5 ppm

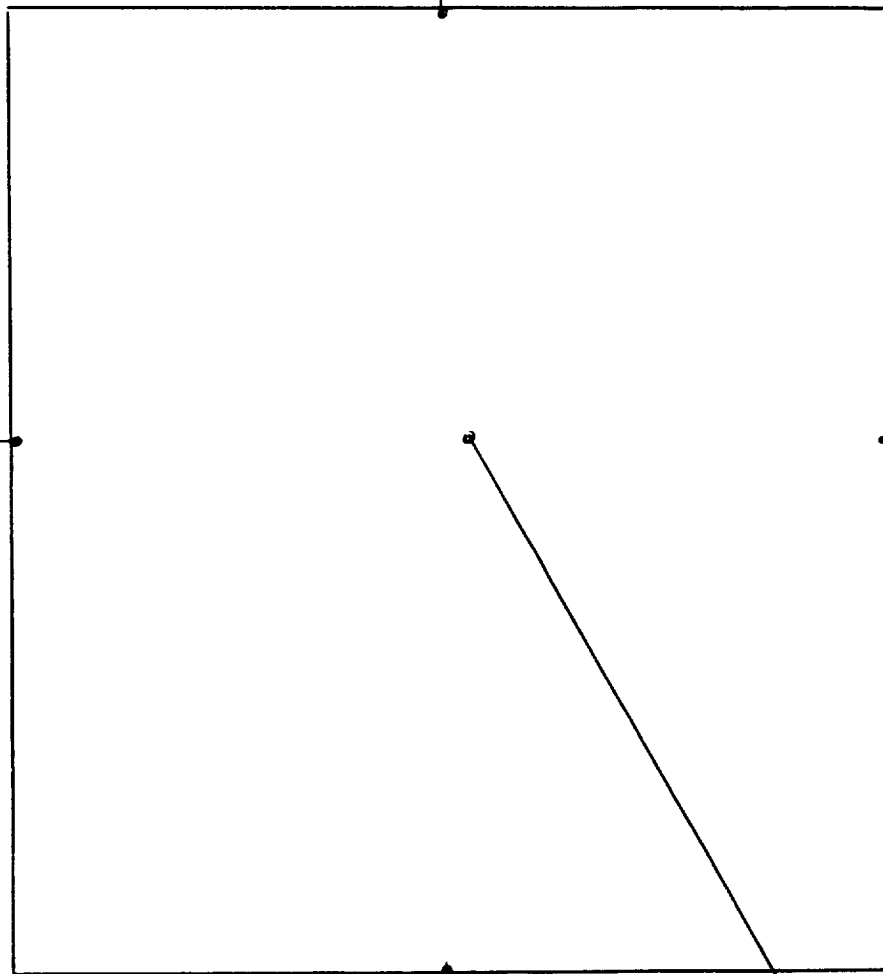
West Wall
Sample 4'
2.5 ppm

East Wall
Sample 4'
8.1 ppm

South Wall
Sample 4'
4.8 ppm

Bottom 9'
Rock.

5' Sample - 487 ppm



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

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

Date: *14-Aug-97*
COC No.: *5535*
Sample No.: *15695*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Huron 4*
Project Location: *9708050931; 4pt. Composite*
Sampled by: *SA* Date: *5-Aug-97* Time: *9:31*
Analyzed by: *HR/DC* Date: *14-Aug-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>14</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>213</i>	<i>6.3</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>82</i>	<i>88</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: *8/14/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

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

Date: *14-Aug-97*
COC No.: *5535*
Sample No.: *15695*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Huron 4*
Project Location: *9708050931; 4pt. Composite*
Sampled by: *SA*
Analyzed by: *DC*
Sample Matrix: *Soil*

Date: *5-Aug-97* Time: *9:31*
Date: *12-Aug-97*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	1	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	2	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
<i>TOTAL</i>	3	ug/kg		

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *8/14/97*

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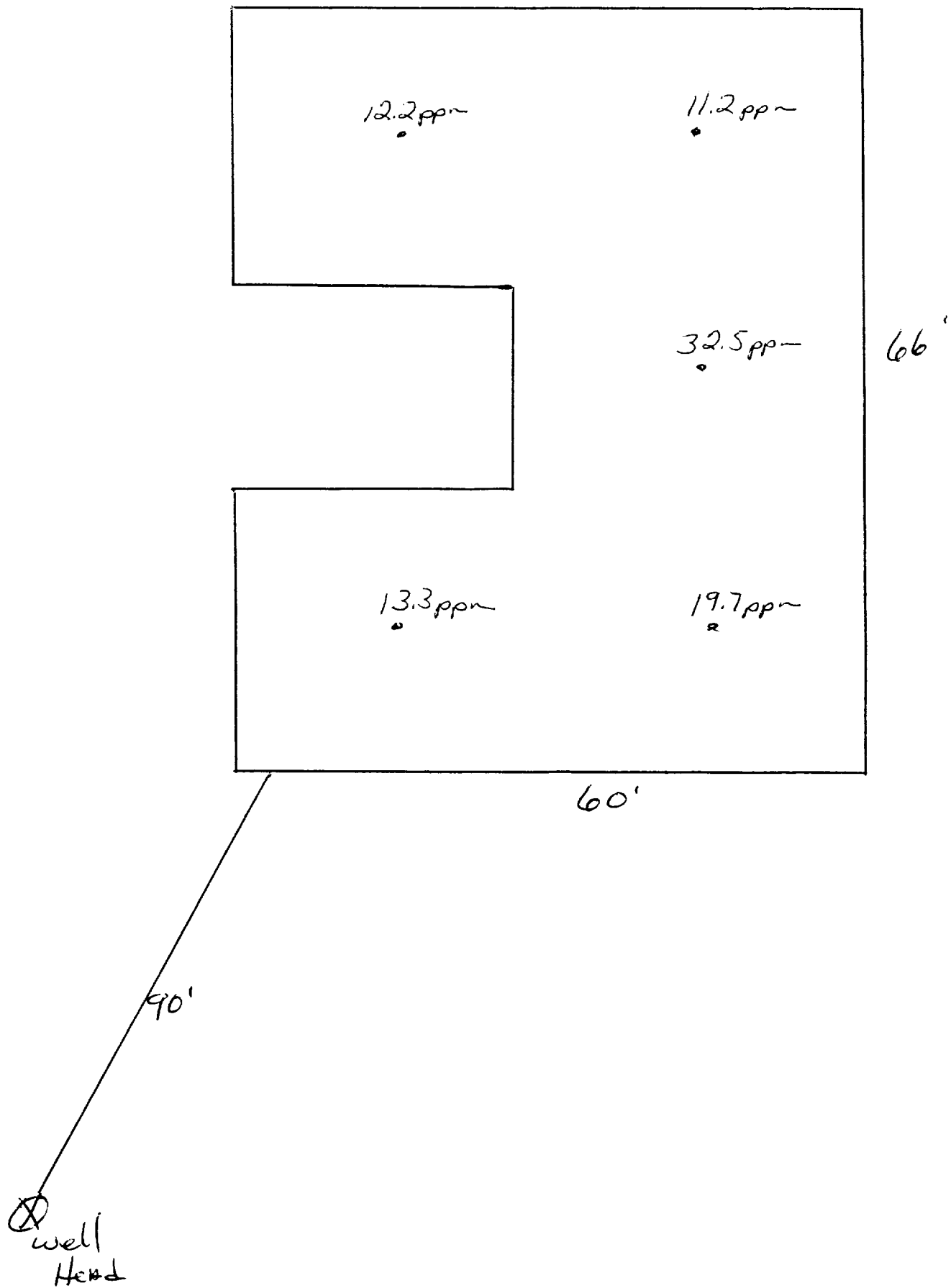
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NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Chateaux) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Huron 4	
Location:	Unit: P Sec. 2 T. 26 N R. 4 W County: Rio Arriba
Land Type: Jicarilla Apache	
Date Remediation Started: 8/5/97	Date Completed: 9/2/97
Remediation Method: Landfarmed <input checked="" type="checkbox"/> Composted <input type="checkbox"/> Other <input type="checkbox"/>	Approx. cubic yards: 289
Depth to Ground Water: (pts.) 0	Final Closure Sampling: Sampling Date: 8/27/97 Time: 0943 Sampling Results: Field Headspace (ppm): 32.5 TPH (ppm): 83 Method: 8015 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: 9/3/97	PRINTED NAME: Ronald A. Dedrick
SIGNATURE: Ronald A. Dedrick	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 <input type="checkbox"/> (REASON) we do Backfill	
SIGNED: Ken C. Mamm	DATE: 9-3-97

Huron 4
Sec. 2 T26N R4W Unit P
Chateau

Land farm



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

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

Date: *2-Sep-97*
COC No.: *5581*
Sample No.: *15959*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Huron #4 Landfarm*
Project Location: *9708270943; 5pt. Composite*
Sampled by: *RB* Date: *27-Aug-97* Time: *9:43*
Analyzed by: *HR/DC* Date: *2-Sep-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>83</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>176</i>	<i>12.8</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>84</i>	<i>80</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *9/2/97*

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