

San Juan County
District I
P O Box 1900 Hobbs, NM

District II
P O Drawer DD, Aztec, NM 88021

District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

Approved **PIT REMEDIATION AND CLOSURE REPORT**

Operator: PNM Gas Services (SRC)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Newman A #8E			
Location:	Unit: P	Sec. 19	T. 28 N R. 10 W County San Juan
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other <input type="checkbox"/>
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other <input type="checkbox"/>
Pit Location:	Pit dimensions: length 20 width 20 depth 3		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
	Footage from reference: 80'		
	Direction from reference: 55 Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> North <input checked="" type="checkbox"/> of <input type="checkbox"/> West <input type="checkbox"/> South <input type="checkbox"/>		
Depth to Ground Water:	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points) 0
(Vertical distance from contaminants to seasonal high water elevation of ground water)			
Wellhead Protection Area:	Yes No		(20 points) (0 points) 0
(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)			
Distance to Surface Water:	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points) 0
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
RANKING SCORE (TOTAL POINTS) :			0

Date Remediation Started:

9/26/96

Date Completed:

9/26/96

Remediation Method:

Excavation

☒

Approx. Cubic Yard

31

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

21

Other

Remediation Location:

Onsite

☒

Offsite

(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to pit size of 15'x11'x5' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing/disking until soil met regulatory levels.

Ground Water Encountered:

No

☒

Yes

☐

Depth

Final Pit Closure Sampling:

Sample Location

Bottom Composite (4 Side Walls Composite Attached)

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

Sample depth

5'

Sample date

9/26/96

Sample time

2:10:00 PM

Sample Results

Benzene (ppm)

0.9110

Total BTEX (ppm)

29.8285

Field headspace (ppm)

TPH

80.2

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes

No

☒

Ground Water Sample:

Yes

☐

No

☒

(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

January 22, 1997

SIGNATURE



PRINTED NAME
AND TITLE

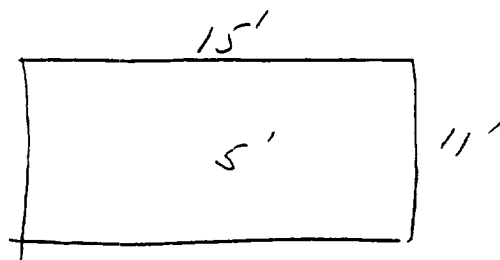
Denver Bearden
Administrator III

Newman A-8E
Meridian Oil
Sec. 19, 28N, 10W

55° E of N



Excavated Pit : 15' x 11' x 5'



5' very hard sandstone layer

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: *28-Sep-96*
 COC No.: *5052*
 Sample No. *12340*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Newman A #8E*
 Project Location: *9609261400; 4pt. Composite, Walls @ 4' depth*
 Sampled by: GC Date: *26-Sep-96* Time: *14:00*
 Analyzed by: HR Date: *28-Sep-96*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	9.3	mg/kg	5.0	mg/kg

Quality Assurance ReportDRO QC No.: *0489-QC***Calibration Check**

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	96	4.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	99	100	(70-130)	1	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas ChromatographyApproved by: *JCE*Date: *9/28/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

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

Date: *30-Sep-96*
COC No.: *5052*
Sample No.: *12340*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Newman A #8E*
Project Location: *9609261400; 4pt. Composite, 4 Walls @ 4'*
Sampled by: *GC* Date: *26-Sep-96* Time: *14:00*
Analyzed by: *HR* Date: *28-Sep-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	1.5	ug/kg	0.2	ug/kg
Toluene	6.4	ug/kg	0.2	ug/kg
Ethylbenzene	8.9	ug/kg	0.2	ug/kg
m,p-Xylene	54.8	ug/kg	0.2	ug/kg
o-Xylene	3.9	ug/kg	0.2	ug/kg
TOTAL		75.5		ug/kg

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

Approved by: *[Signature]*
Date: *9/30/96*

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: *28-Sep-96*
 COC No.: *5052*
 Sample No. *12341*
 Job No. *2-1000*

Project Name: ***PNM Gas Services - Newman A #8E***
 Project Location: ***9609261410; Bottom***
 Sampled by: GC
 Analyzed by: HR
 Sample Matrix: *Soil*

Date: *26-Sep-96* Time: *14:10*
 Date: *28-Sep-96*

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>80.2</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance ReportDRO 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>96</i>	<i>4.4</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>99</i>	<i>100</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:

Date: *9/28/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

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

Date: *30-Sep-96*
COC No.: *5052*
Sample No. *12341*
Job No. *2-1000*

Project Name: *PNM Gas Services - Newman A #8E*
Project Location: *9609261410; Bottom*
Sampled by: *GC* Date: *26-Sep-96* Time: *14:10*
Analyzed by: *HR* Date: *28-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>Benzene</i>	911.0	ug/kg	0.2	ug/kg
<i>Toluene</i>	3565.4	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	2204.6	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	18608.7	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	4538.9	ug/kg	0.2	ug/kg
	<i>TOTAL</i>	29828.5		ug/kg

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

Approved by: *Jack*
Date: *9/30/96*

Newman A-8E
Meridian Oil
Sec. 19, 28N, 10W

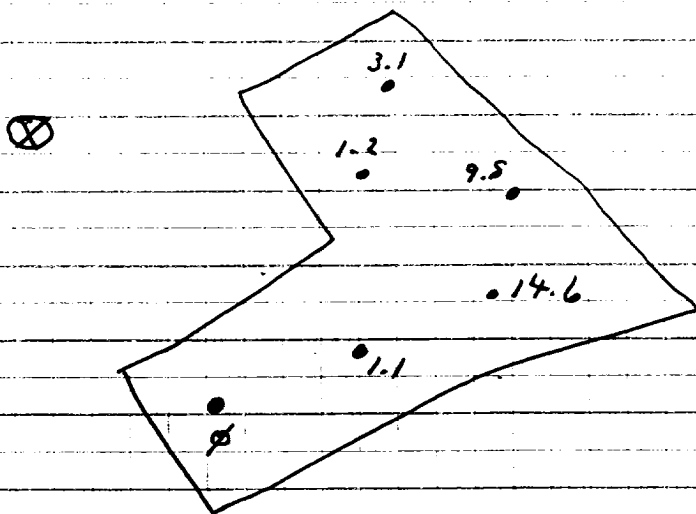
11-12-96

Land Farm: On-location

Composite sample # 9611121000

Soil vapor headspace PID reading = 13.2 ppm

2'-15" depth



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: *14-Nov-96*
COC No.: *5094*
Sample No. *12844*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Newman A-8E Landfarm***
Project Location: ***9611121000; 6pt. Composite, 2"-12" depth***
Sampled by: GC Date: *12-Nov-96* Time: *10:00*
Analyzed by: DC/HR Date: *13-Nov-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.: *0512-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>100</i>	<i>0.5</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>93</i>	<i>92</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: 
Date: *11/14/96*