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APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Kimbark) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Storey #1A

Location: Unit P Sec 34 T 32 N R 11 W County San Juan

Pit Type: Separator _____ Dehydrator ☒ Other _____

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 20 ' width 20 ' depth 3 '

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 122'

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

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	10

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)

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Yes (20 points)
No (0 points)

Distance to Surface Water:

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 200 feet	(20 points)	
200 feet to 1,000 feet	(10 points)	
Greater than 1,000 feet	(0 points)	10

RANKING SCORE (TOTAL POINTS): 20

Storey #1A

Date Remediation Started: 4/28/97

Date Completed: 4/28/97

Remediation Method:

Excavation

X

Approx. Cubic Yard

101

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds)

101

Other

Remediation Location:

Onsite

X

Offsite

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

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 13' x 15' x 14' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil met regulatory levels.

Ground Water Encountered:

No

✓

Yes

Depth

Final Pit Closure Sampling:

Sample Location

5 pt. composite - 4 side walls and center of pit bottom.

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

Sample depth

14'

Sample date

4/28/97

Sample time

11:06:00 AM

Sample Results

Benzene (ppm)

0.0000

Total BTEX (ppm)

8.0450

Field headspace (ppm)

TPH

5.00

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes

No

✓

Ground Water Sample:

Yes

No

(If yes, see attached Groundwater Site Summary Report)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE July 28, 1997

SIGNATURE

Denver Bearden

PRINTED NAME
AND TITLE

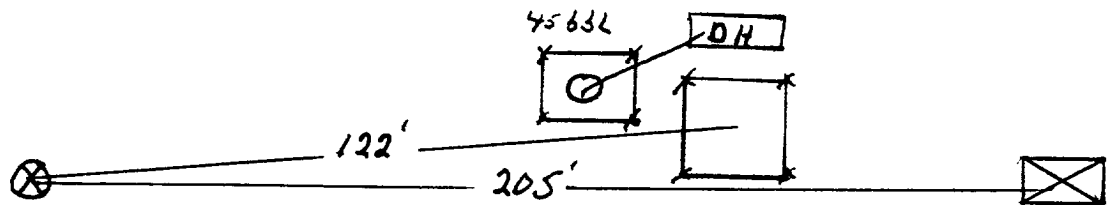
Denver Bearden
Administrator III

Storey #1A
Kimberk Oil & Gas Co.
Sec. 34, 32N, 11W, P

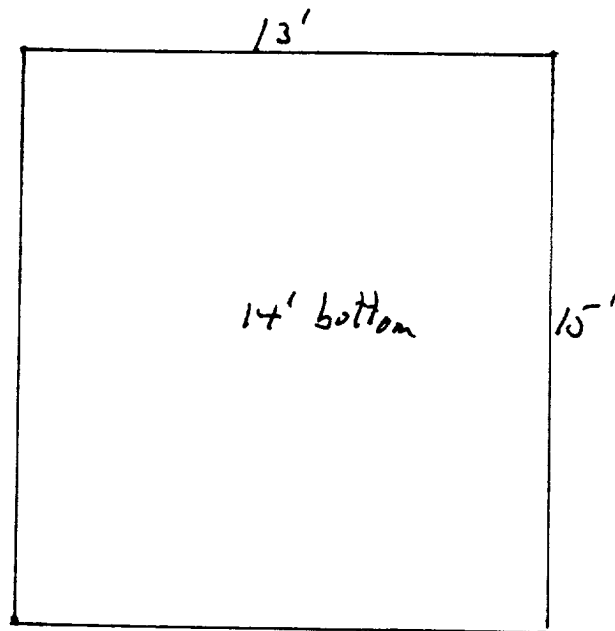
4-28-97

80° E of N

Start of Excavation:



End of Excavation:



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-May-97*
COC No.: *5145*
Sample No.: *14342*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Storey 1A*
Project Location: *9704281106; Pit Excavation Composite of Bottom & Walls*
Sampled by: *RH* Date: *28-Apr-97* Time: *11:06*
Analyzed by: *HR/DC* Date: *1-May-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>	5.0	mg/kg	5.0	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0519-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	100	95	4.8	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	86	93	(70-130)	8	20%

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

Approved by: *[Signature]*
Date: *5/2/97*

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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: *2-May-97*
COC No.: *5145*
Sample No.: *14342*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Storey 1A*
Project Location: *9704281106; Pit Excavation Composite of Bottom & Walls*
Sampled by: *RH* Date: *28-Apr-97* Time: *11:06*
Analyzed by: *HR* Date: *29-Apr-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	50	ug/kg
<i>Toluene</i>	1164	ug/kg	50	ug/kg
<i>Ethylbenzene</i>	442	ug/kg	50	ug/kg
<i>m,p-Xylene</i>	5537	ug/kg	50	ug/kg
<i>o-Xylene</i>	902	ug/kg	50	ug/kg
	<i>TOTAL</i>	8045	ug/kg	

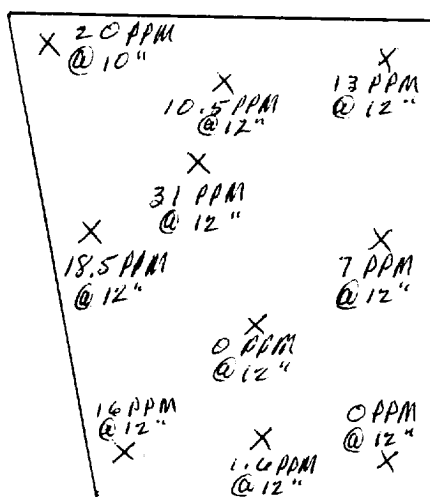
ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *5/2/97*

↑
N

See attached lab results for BTEX.



Storey # 1A
6-16-97 @ 1030

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: *20-Jun-97*
COC No.: *5160*
Sample No.: *14960*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Storey #1A Landfarm*
Project Location: *9706161030; 10pt. Composite*
Sampled by: *RH* Date: *16-Jun-97* Time: *10:30*
Analyzed by: *DC/HR* Date: *19-Jun-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>	ND	mg/kg	5	mg/kg

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>	ND	ppm	200	195	2.5	15%

Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	88	95	(70-130)	9	20%

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

Approved by: *[Signature]*
Date: *6/20/97*

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ANALYTICAL REPORT

Date: 19-Jun-97
COC No.: 5160
Sample No.: 14960
Job No.: 2-1000

Project Name: ***PNM Gas Services - Storey #1A Landfarm***
Project Location: ***9706161030; 10pt. Composite***
Sampled by: RH Date: 16-Jun-97 Time: 10:30
Analyzed by: HR Date: 18-Jun-97
Sample Matrix: ***Soil***

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>	ND	ug/kg	1	ug/kg
<i>o-Xylene</i>	2	ug/kg	1	ug/kg
	<i>TOTAL</i>	3	ug/kg	

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

Approved by: 
Date: 6/19/97

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