

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer 100, Artesia, NM 88221
District III
1000 Rio Brazos Rd, Aztec, NM 87410
DEPUTY OIL & GAS INSPECTOR
SEP 03 1999

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

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

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OIL CON. DIV.
BUREAU

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Burlington) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Chamberlain #1A

Location: Unit F Sec 14 T 32 N R 12 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: 95'

Direction from reference: 85 Degrees ☒ East ☐ North ☐ of ☐ West ☒ South

Depth to Ground Water:

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

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

Wellhead Protection Area:

Yes (20 points)
No (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 (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points) 0

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

RANKING SCORE (TOTAL POINTS): 0

Chamberlain #1A

Date Remediation Started: 04/27/1999

Date Completed: 04/27/1999

Remediation Method:

Excavation

☒

Approx. Cubic Yard

355

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

300

Other

55 cu yds overburden

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 a pit size of 24' X 20' X 20' 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. bottom composite.

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

Sample depth

20'

~~Sample date~~

04/27/1999

Sample time

11:15:00 AM

Sample Results

Benzene (ppm) < 0.500

Total BTEX (ppm) 34.700

Field headspace (ppm)

TPH (ppm)

1400.00

Method

8015B

Vertical Extent (ft)

Risk Analysis form attached Yes



No



Ground Water Sample:

Yes



No

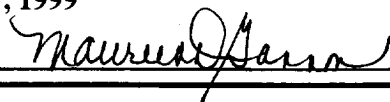


(If yes, see attached Groundwater Site Summary Report)

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

DATE July 27, 1999

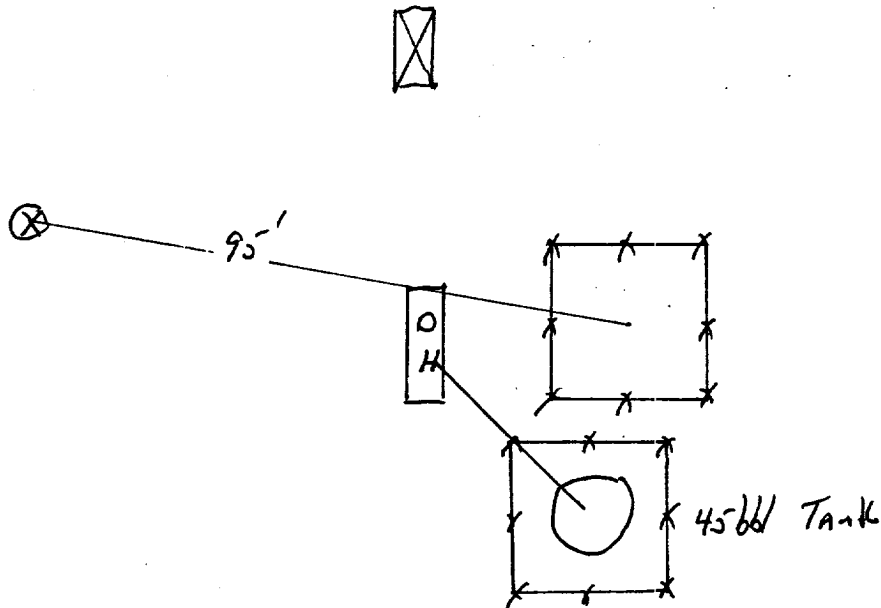
SIGNATURE

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

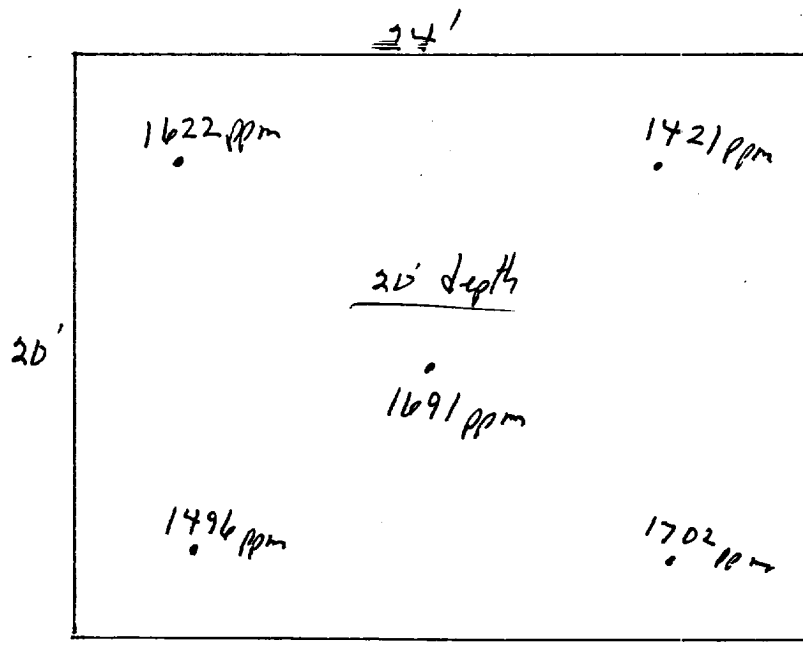
Chamberlain #1A
Burlington
Sec. 14, 32N, 12W, H

4/27/99

- Start of excavation:



End of excavation:



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 07-May-99

CLIENT: PNM - Public Service Company of NM

Project: Chamberlain #1A

Lab Order: 9904059

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

6c

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Chamberlain #1A
Work Order:	9904059	Client Sample ID:	9904271115; Bottom @ 20ft
Lab ID:	9904059-01A	Matrix:	SOIL
Project:	Chamberlain #1A	Collection Date:	4/27/99 11:15:00 AM
		COC Record:	7576

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	1400	25		mg/Kg	1	5/6/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DM
Benzene	ND	500		µg/Kg	500	4/28/99
Toluene	ND	1000		µg/Kg	500	4/28/99
Ethylbenzene	2700	500		µg/Kg	500	4/28/99
m,p-Xylene	20000	1000		µg/Kg	500	4/28/99
o-Xylene	12000	500		µg/Kg	500	4/28/99

34700
34.7 ppm

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

**ANALYTICAL REPORT****Date:** 07-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Chamberlain #1A
Work Order:	9904059	Client Sample ID:	9904271130; Walls @ 15ft
Lab ID:	9904059-02A	Matrix:	SOIL
Project:	Chamberlain #1A	Collection Date:	4/27/99 11:30:00 AM
		COC Record:	7576

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	5/3/99

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



On Site Technologies, LTD.

Date: 14-Jun-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation Landfarms

Lab Order: 9906007

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

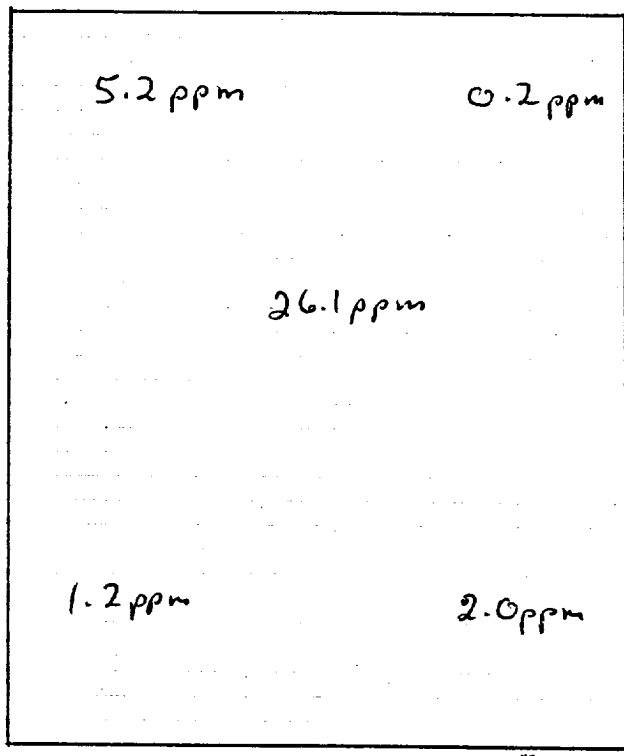
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Burlington

Landfarm Drawing

App - 300 cu yds



78'

10'



well head

2" to 12" Depth

Headspace 56.1

Sample # 990602 1304

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 04-May-99

CLIENT: PNM - Public Service Company of NM
Project: Montoya GC #1A
Lab Order: 9904031

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



Key

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Chamberlain #1A LF
Work Order:	9906007	Client Sample ID:	9906021304; 5pt. Comp
Lab ID:	9906007-04A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	6/2/99 1:04:00 PM
		COC Record:	7715

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	42	25		mg/Kg	1	6/8/99

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -