

District I
P.O. Box 1980, Hobbs, NM

District II
P.O. Drawer DD, Artesia, NM 88221

District III
1000 Rio Brazos Rd, Aztec, NM 87410

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Greystone)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Senter #1M			
Location:	Unit <u>I</u>	Sec <u>24</u>	T <u>31 N</u> R <u>13 W</u> County <u>San Juan</u>
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other _____
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other _____
Pit Location:	Pit dimensions: length <u>20</u> ' width <u>20</u> ' depth <u>3</u> '		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other _____		
	Footage from reference: <u>125'</u>		
	Direction from reference: <u>45</u> Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> West of North <input type="checkbox"/> South <input checked="" type="checkbox"/>		
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>
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Senter #1M

Date Remediation Started: 05/25/1999

Date Completed: 05/25/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 142

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 142

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 a pit size of 24' X 20' X 8 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-bottom

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

Sample depth

8'

Sample date

05/25/1999

Sample time

9:45:00 AM

Sample Results

Benzene (ppm)

0.96

Total BTEX (ppm)

43.26

Field headspace (ppm)

TPH (ppm)

68.00

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 January 24, 2000

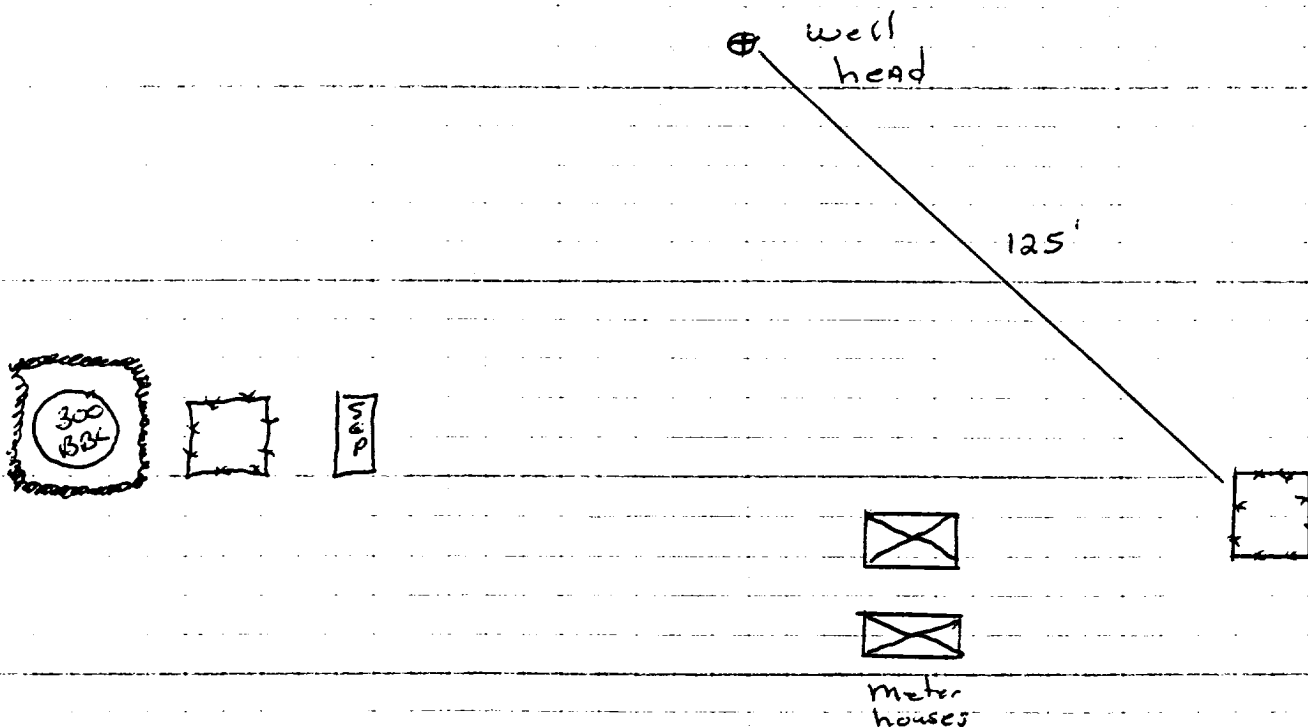
SIGNATURE

Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Senter 1M
Sec-24 T-31N R-13W 46 I
Greystone

Site Drawing



EXCAVATED DRAWING

Size 24 x 20 x 8
142 cu yds

North wall
Sample 7'
14.0 ppm

Headspace
walls 11.9 ppm

West wall
Sample 7'
9.5 ppm

East wall
Sample 7'
18.3 ppm

South wall
Sample 7'
4.6 ppm

Bottom, Sample
AT 8' sandstone
833 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 08-Jun-99

CLIENT: PNM - Public Service Company of NM

Project: CAIN 1E & Senter #1M

Lab Order: 9905086

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



Roy

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Senter #1M
Work Order:	9905086	Client Sample ID:	9905250945; 5pt. Bottom Comp
Lab ID:	9905086-04A	Matrix:	SOIL
Project:	CAIN 1E & Senter #1M	Collection Date:	5/25/99 9:45:00 AM
		COC Record:	7388

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	68	25		mg/Kg	1	6/3/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	960	250		µg/Kg	250	6/1/99
Toluene	2500	500		µg/Kg	250	6/1/99
Ethylbenzene	3600	250		µg/Kg	250	6/1/99
m,p-Xylene	32000	500		µg/Kg	250	6/1/99
o-Xylene	4200	250		µg/Kg	250	6/1/99

43260
43.26 ppm

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

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



Ray

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Senter #1M
Work Order:	9905086	Client Sample ID:	9905250940; 4pt. Wall Comp
Lab ID:	9905086-03A	Matrix:	SOIL
Project:	CAIN 1E & Senter #1M	Collection Date:	5/25/99 9:40:00 AM
		COC Record:	7388

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/3/99

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

1 of 1

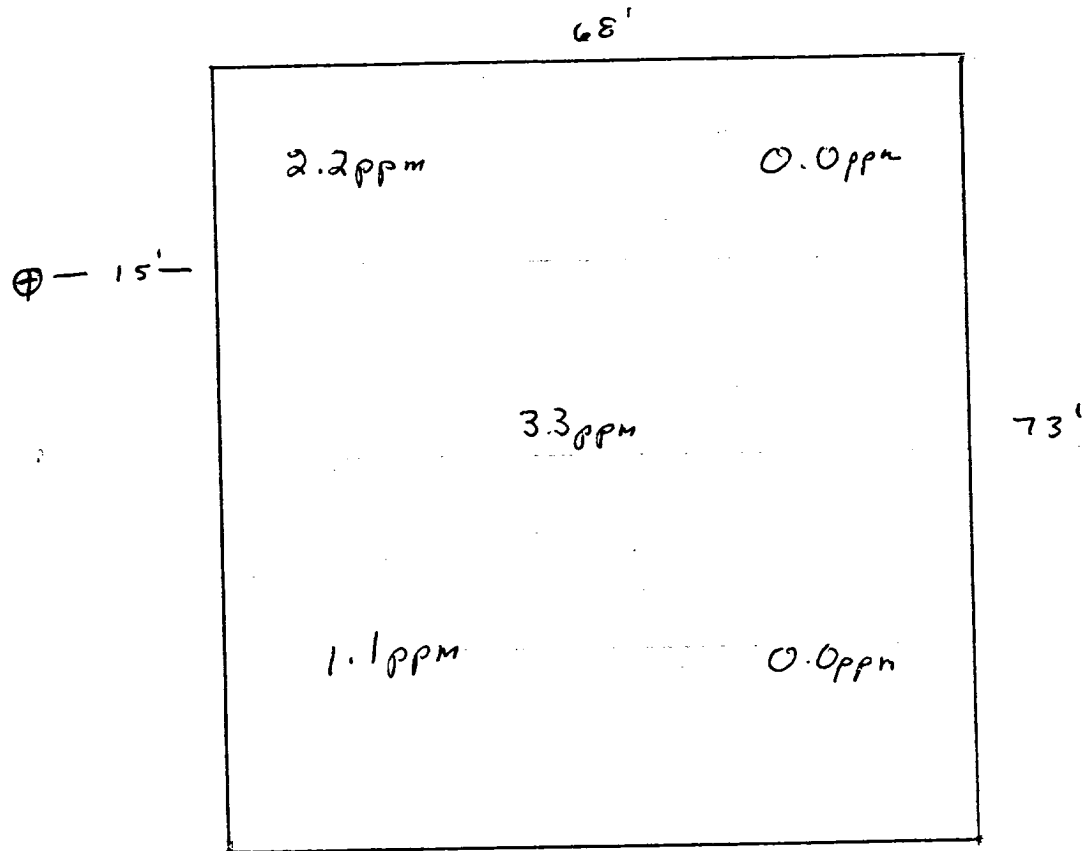
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Senter 1M
Sec-24 T-31N R-13W UL-I
Greystone

LANDFARM DRAWING

App Cu. yds - 142



2" to 12" Depth
Headspace 29.8ppm
Sample # 9907080903

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 22-Jul-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation Landfarms

Lab Order: 9907018

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.

Roy

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Senter 1M LF
Work Order:	9907018	Client Sample ID:	9907080903; 5pt Comp
Lab ID:	9907018-04A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/8/99 9:03:00 AM
		COC Record:	7732

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/21/99

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

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