

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

OK
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

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: Sadie West #1			
Location:	Unit L	Sec 21	T 31 N R 12 W County San Juan
Pit Type:	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
Land Type:	BLM <input type="checkbox"/>	State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Pit Location:	Pit dimensions: length 15 ' width 15 ' depth 5 '		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
	Footage from reference: 81'		
	Direction from reference: 45 Degrees <input checked="" type="checkbox"/> East <input checked="" type="checkbox"/> North <input type="checkbox"/> South <input type="checkbox"/> West <input 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) 10
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) 0
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) 0
RANKING SCORE (TOTAL POINTS):			10

Sadie West #1

Date Remediation Started: 06/09/1999

Date Completed: 06/09/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 171

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 171

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 16.5' X 14' 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. composite - bottom.

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

Sample depth

20'

Sample date

06/09/1999

Sample time

10:15:00 AM

Sample Results

Benzene (ppm)

Total BTEX (ppm)

Field headspace (ppm) 16.1

TPH (ppm)

< 25.00

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

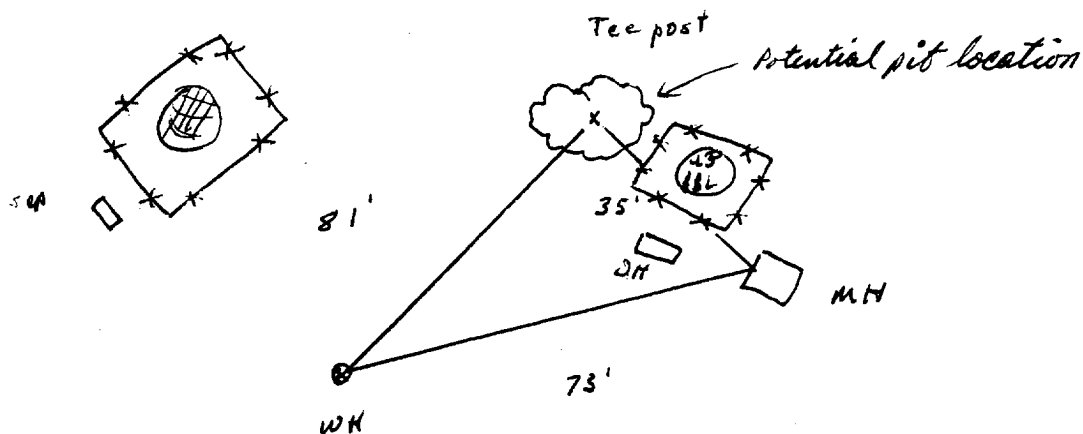
SIGNATURE

Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Sadie West #1
(L) 21-31N-12W
Burlington
6-4-44 @ 0836

N



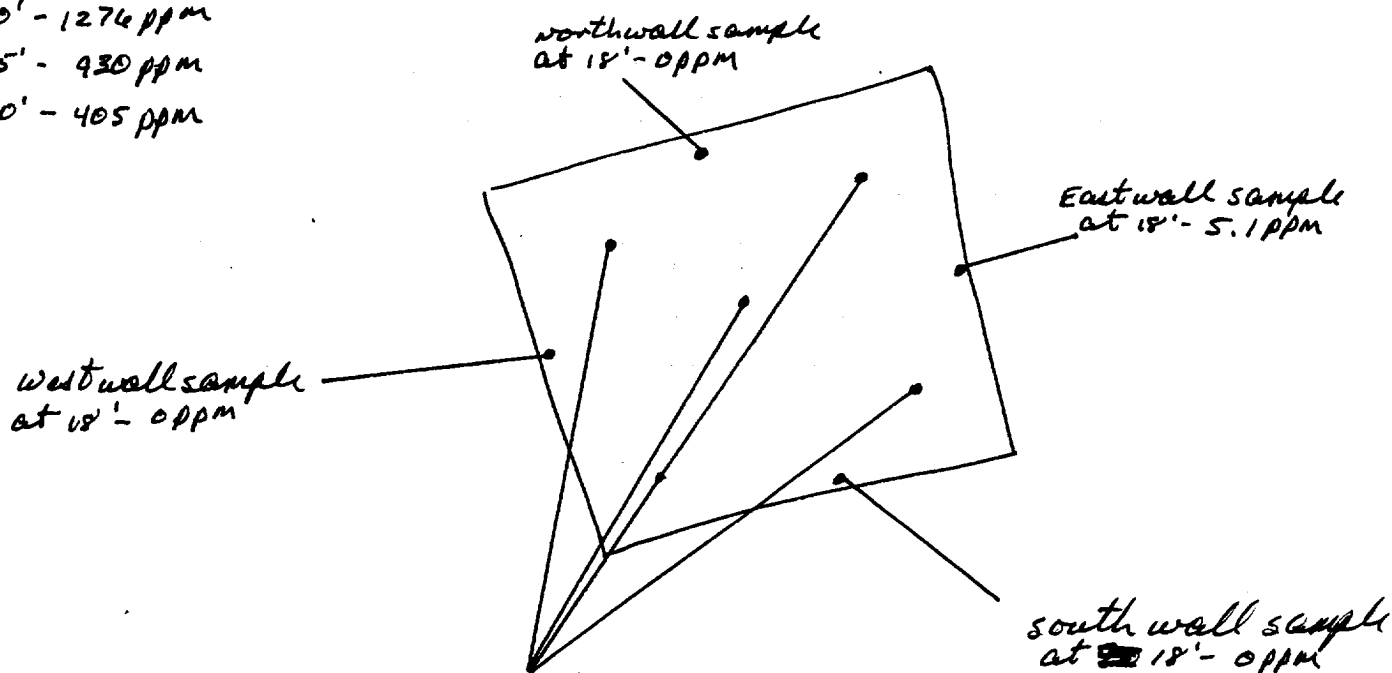
Field headspace: 7.2 ppm (Composite walls)

Excavation Sampling

16.5' (N+S) x 14' (E+W) x 20' (D)

PID Readings

5' - 2056 ppm
10' - 1276 ppm
15' - 930 ppm
20' - 405 ppm



5 point bottom composite sample
at 20' - 856 ppm (PID)

Heated Headspace: 16.1 ppm (Composite Bottom)

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jun-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9906044

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.

RH

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT**Date:** 28-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Sadie West #1
Work Order:	9906044	Client Sample ID:	9906091015; 5pt. Bottom Comp
Lab ID:	9906044-01A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/9/99 10:15:00 AM
		COC Record:	7636

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/16/99

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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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Sadie West #1
Work Order:	9906044	Client Sample ID:	9906091020; 4pt. Wall Comp
Lab ID:	9906044-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/9/99 10:20:00 AM
		COC Record:	7636

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/21/99

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

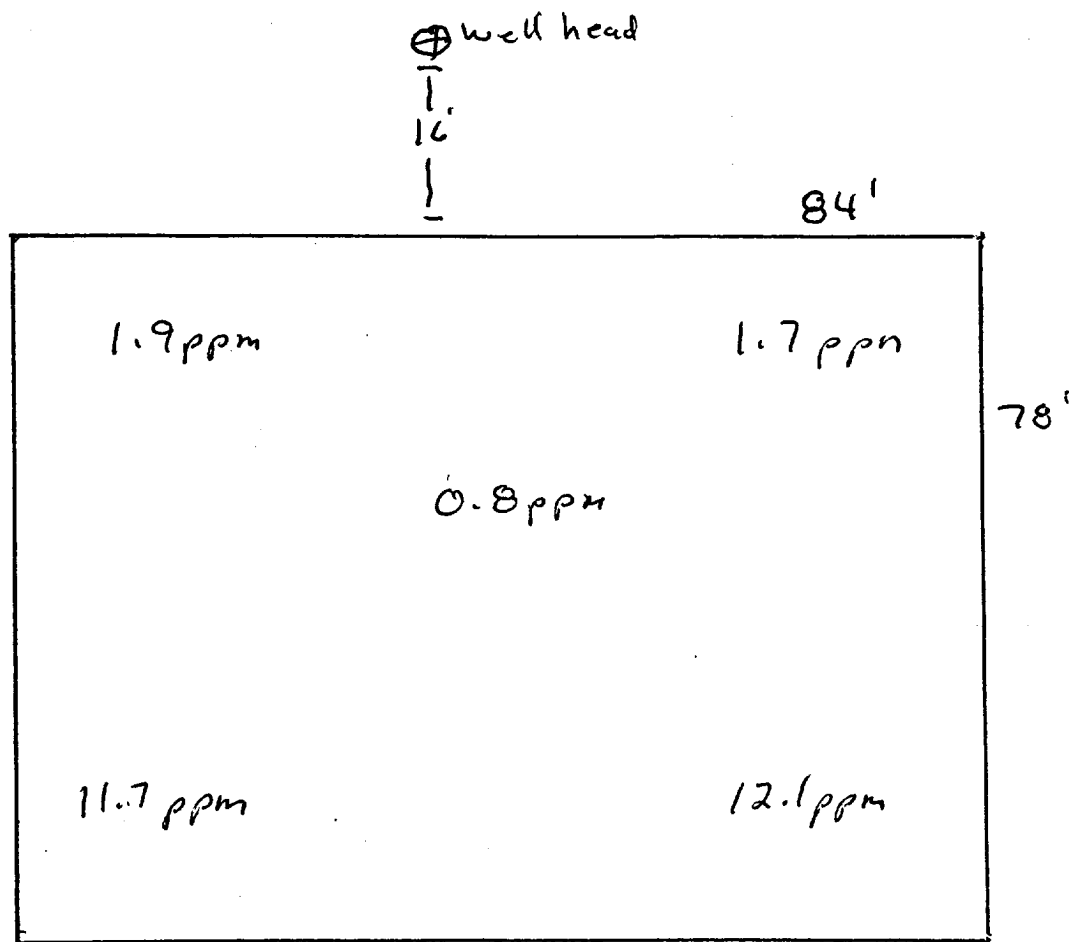
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Sadie West #1
Sec-21 T-31N R-12W 46-4
Burlington

Landfarm Drawing

App 171 cu yds



2" to 12" Depth
Headspace 24.7 ppm
Sample # 990707 0753

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 20-Jul-99

CLIENT: PNM - Public Service Company of NM
Project: Sadie West, Nye Fed., Taliaferro 4E & 6
Lab Order: 9907011

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.

Key

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 20-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Sadie West #1 LF
Work Order:	9907011	Client Sample ID:	9907070753; 5pt Comp
Lab ID:	9907011-01A	Matrix:	SOIL
Project:	Sadie West, Nye Fed., Taliaferro 4E & 6	Collection Date:	7/7/99 7:53:00 AM
		COC Record:	7728

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/16/99

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 -