

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

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

**PIT REMEDIATION AND CLOSURE REPORT**

<b>Operator:</b> PNM Gas Services ( Energen )		<b>Telephone:</b> 324-3764	
<b>Address:</b> 603 W. Elm Street Farmington, NM 87401			
<b>Facility or Well Name:</b> Nye Federal #1M			
<b>Location:</b>	Unit <u>P</u>	Sec <u>20</u>	T <u>31 N</u> R <u>12 W</u> County <u>San Juan</u>
<b>Pit Type:</b>	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other _____
<b>Land Type:</b>	BLM <input type="checkbox"/>	State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/> Other _____
<b>Pit Location:</b>	Pit dimensions: length <u>20</u> ' width <u>20</u> ' depth <u>4</u> '		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other _____		
	Footage from reference: <u>100'</u>		
	Direction from reference: <u>45</u> Degrees <input type="checkbox"/> East <input checked="" type="checkbox"/> North <input checked="" type="checkbox"/> South <input type="checkbox"/> West <input checked="" type="checkbox"/>		
<b>Depth to Ground Water:</b>	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet ( 0 points) <u>10</u>		
(Vertical distance from contaminants to seasonal high water elevation of ground water)			
<b>Wellhead Protection Area:</b>	Yes (20 points) No ( 0 points) <u>0</u>		
(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)			
<b>Distance to Surface Water:</b>	Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet ( 0 points) <u>0</u>		
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
<b>RANKING SCORE (TOTAL POINTS) :</b>			<u>10</u>

Nye Federal #1M

Date Remediation Started: 06/08/1999

Date Completed: 06/08/1999

## Remediation Method:

Excavation ☒

Approx. Cubic Yard 56

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 56

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 14' X 13.5' 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 06/08/1999

Sample time 11:05:00 AM

## Sample Results

Benzene (ppm) 0.21

Total BTEX (ppm) 23.71

Field headspace (ppm) \_\_\_\_\_

TPH (ppm) 110.00

Method 8015B

Vertical Extent (ft) \_\_\_\_\_

Risk Analysis form attached Yes ☐ No ☒

## Ground Water Sample:

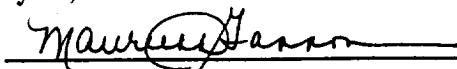
Yes ☐No ☒

(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

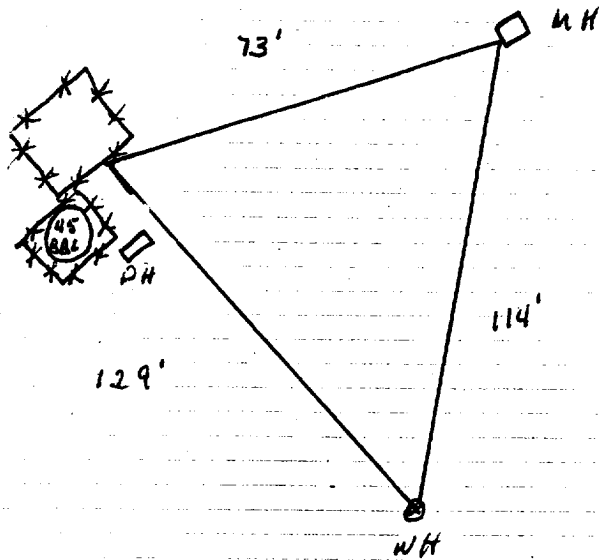
SIGNATURE

PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

NYE Federal #1M  
 (P) 20.31N-12W  
 ENERGEN  
 6-8-99 @ 1007

↑  
N

20'x20'x4'



### Excavation Sampling

14'(N+S) X 13.5'(E+W) X 8'(D)

### PFD Readings

5' - 2154 ppm  
 8' - 2607 ppm

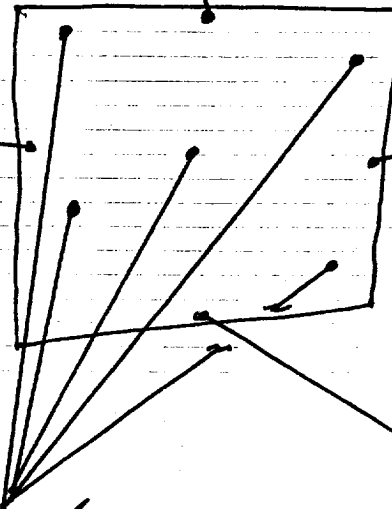
North wall sample  
at 8' - 1117 ppm

West wall sample  
at 8' - 1000 ppm

East wall sample  
at 8' - 1630 ppm

5 point bottom composite sample  
at 8' - 2920 ppm

South wall sample  
at 8' - 408 ppm



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date: 23-Jun-99**

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Taliaferro 4E & Nye Fed. 1M  
**Lab Order:** 9906026

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## **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: 23-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Nye Federal #1M
<b>Work Order:</b>	9906026	<b>Client Sample ID:</b>	9906081105; 5pt. Bottom Comp
<b>Lab ID:</b>	9906026-04A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Taliaferro 4E & Nye Fed. 1M	<b>Collection Date:</b>	6/8/99 11:05:00 AM
		<b>COC Record:</b>	7635

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				<b>Analyst: DC</b>
T/R Hydrocarbons: C10-C28	110	25		mg/Kg	1	6/18/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				<b>Analyst: DC</b>
Benzene	210	100		µg/Kg	100	6/18/99
Toluene	2400	2000		µg/Kg	1000	6/14/99
Ethylbenzene	1700	1000		µg/Kg	1000	6/14/99
m,p-Xylene	16000	2000		µg/Kg	1000	6/14/99
o-Xylene	3400	1000		µg/Kg	1000	6/14/99

23710  
23.710 ppm

<b>Qualifiers:</b>	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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OFF: (505) 325-5667



LAB: (505) 325-1556

# ANALYTICAL REPORT

Date: 23-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Nye Federal #1M
<b>Work Order:</b>	9906026	<b>Client Sample ID:</b>	9906081110; 4pt. Wall Comp
<b>Lab ID:</b>	9906026-05A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Taliaferro 4E & Nye Fed. 1M	<b>Collection Date:</b>	6/8/99 11:10:00 AM
		<b>COC Record:</b>	7635

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/18/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				Analyst: DC
Benzene	26	25		µg/Kg	25	6/18/99
Toluene	320	200		µg/Kg	100	6/14/99
Ethylbenzene	170	100		µg/Kg	100	6/14/99
m,p-Xylene	1700	200		µg/Kg	100	6/14/99
o-Xylene	390	100		µg/Kg	100	6/14/99

2606  
2.606 ppm

<b>Qualifiers:</b>	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

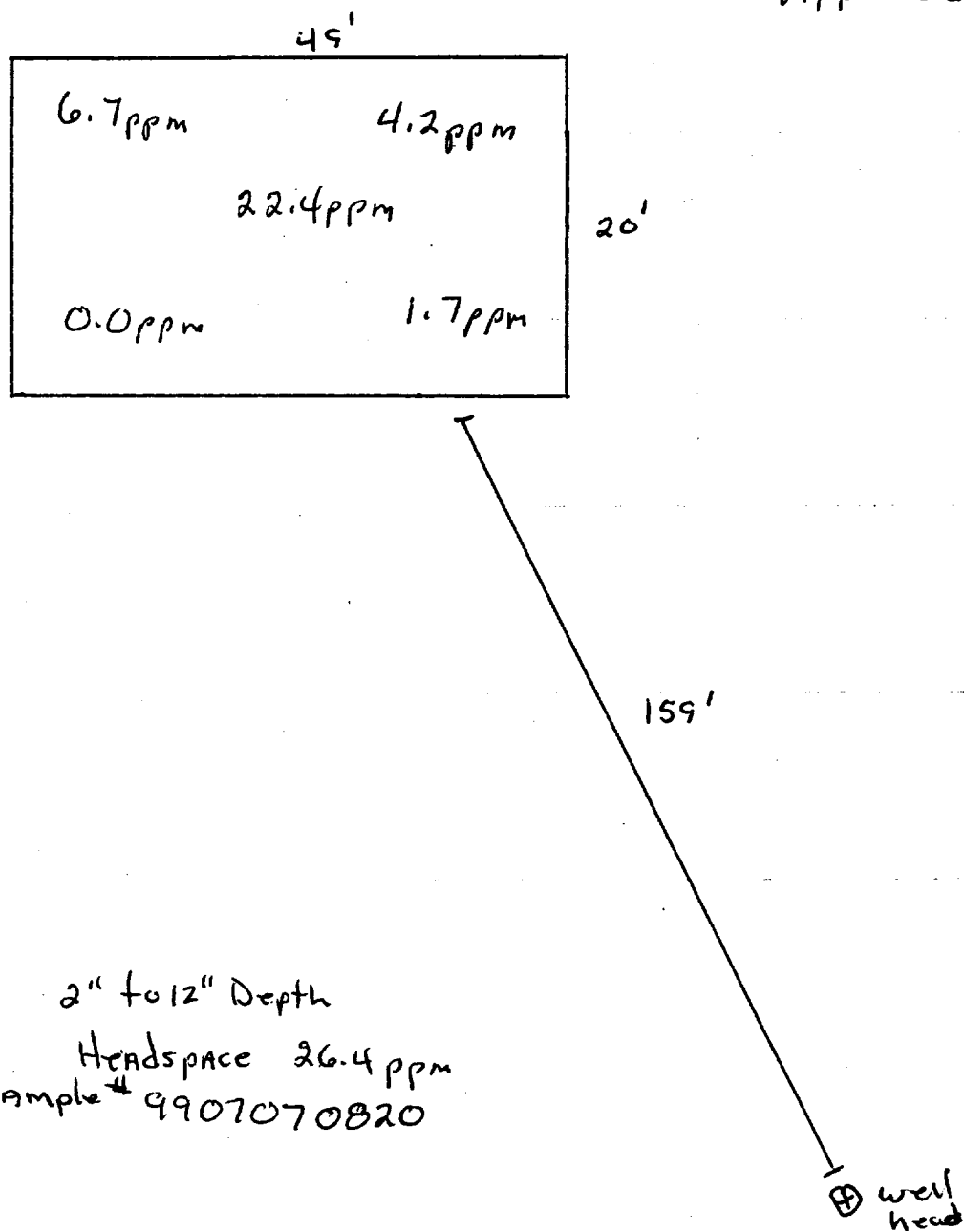
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- Technology in Progress -

Nye Federal #1M  
Sec-20 T-31N R-12W ULP  
Burlington

# Landfarm Drawing

App 56 cu yds



Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 20-Jul-99

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

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**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

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Nye Federal #1M LF
<b>Work Order:</b>	9907011	<b>Client Sample ID:</b>	9907070820; 5pt Comp
<b>Lab ID:</b>	9907011-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Sadie West, Nye Fed., Taliaferro 4E & 6	<b>Collection Date:</b>	7/7/99 8:20:00 AM
		<b>COC Record:</b>	7728

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	110	25		mg/Kg	1	7/19/99

**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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