

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

RECEIVED  
NOV - 1 1999

OIL CON. DIV.  
DIST. 8

Operator: PNM Gas Services ( Cross Timbers )		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Fred Feasel G #1E			
Location:	Unit O	Sec 2	T 27 N R 10 W County San Juan
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other <input type="checkbox"/>
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other <input type="checkbox"/>
Pit Location:	Pit dimensions: length 18 ' width 18 ' depth 4 '		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
	Footage from reference: 103'		
	Direction from reference: 77 Degrees <input checked="" type="checkbox"/> East North <input checked="" type="checkbox"/>		
	of <input type="checkbox"/> West South <input type="checkbox"/>		
Depth to Ground Water:		Less than 50 feet (20 points)	
(Vertical distance from contaminants to seasonal high water elevation of ground water)		50 feet to 99 feet (10 points)	
		Greater than 100 feet (0 points)	0
Wellhead Protection Area:		Yes (20 points)	
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)		No (0 points)	0
Distance to Surface Water:		Less than 200 feet (20 points)	
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		200 feet to 1,000 feet (10 points)	
		Greater than 1,000 feet (0 points)	0
RANKING SCORE (TOTAL POINTS):			0

Fred Feasel G #1E

Date Remediation Started: 07/08/1999 Date Completed: 07/09/1999

Remediation Method: Excavation X Approx. Cubic Yard 59

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 59

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 12' X 12' X 11' 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 11'

Sample date 07/08/1999 Sample time 1:35:00 PM

**Sample Results**

Benzene (ppm) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_

Field headspace (ppm) 0

TPH (ppm) 380.00 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 **October 28, 1999**

SIGNATURE

Maureen Gannon

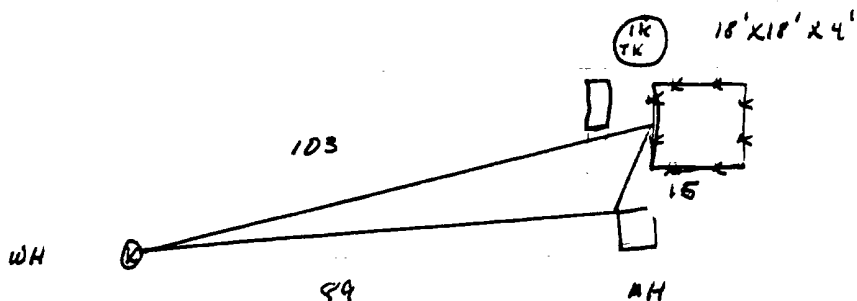
PRINTED NAME **Maureen Gannon**  
AND TITLE **Project Manager**

Fred Feasel #1E  
 ( ) 2-27N-10W  
 Cross Timbers  
 7-8-94 @ 1254  
 77° E of N



↑  
N

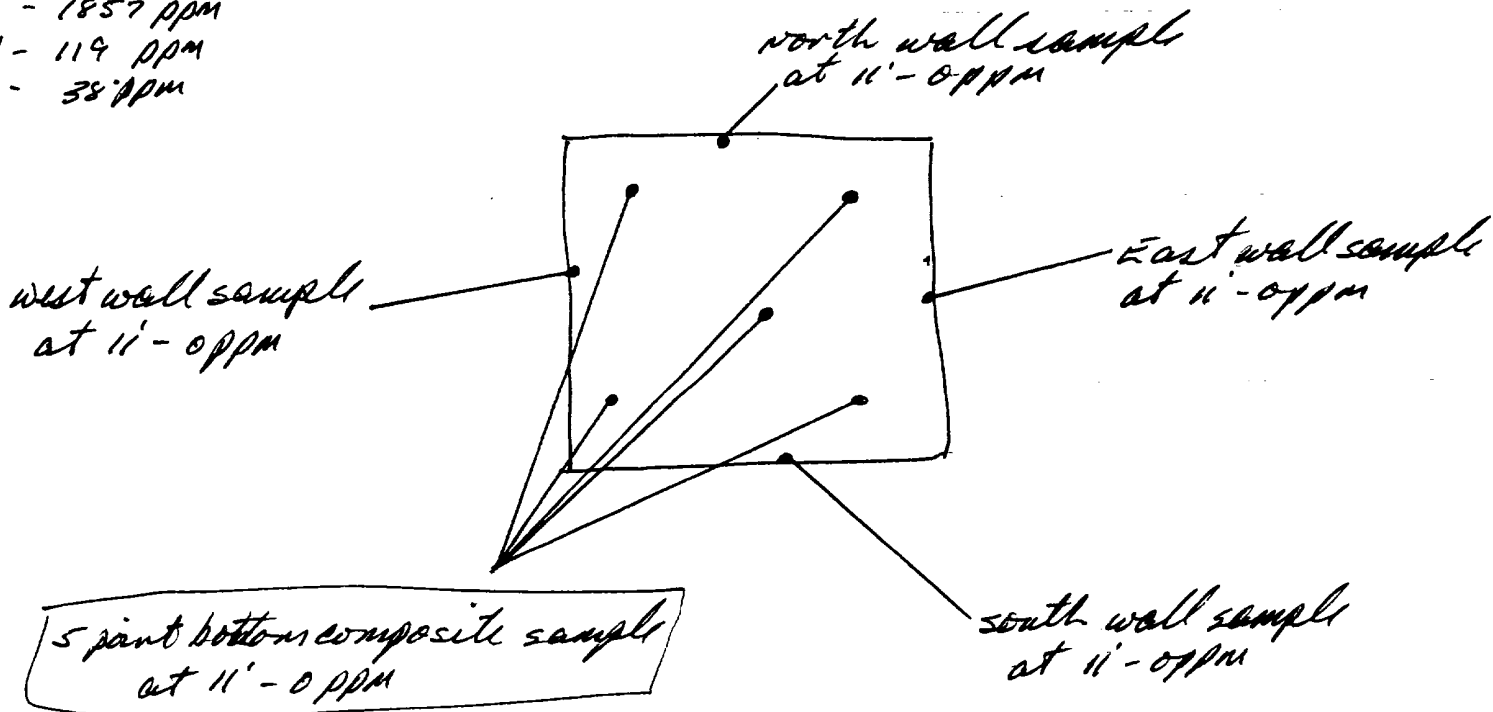
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# Excavation Sampling PID Readings

12'(N+S) x 12'(E+W) x 11'(D)

5' - 1857 ppm  
 10' - 119 ppm  
 11' - 38 ppm



Field headspace: 0 (walls)

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date: 23-Jul-99**

**CLIENT:** PNM - Public Service Company of NM  
**Project:** Fred Feasel G1, G1 Drip & G1E  
**Lab Order:** 9907019

## **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



RAY

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Fred Feasel G#1E
Work Order:	9907019	Client Sample ID:	9907081335; 5pt Bottom Comp
Lab ID:	9907019-05A	Matrix:	SOIL
Project:	Fred Feasel G1, G1 Drip & G1E	Collection Date:	7/8/99 1:35:00 PM
		COC Record:	7646

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	380	25		mg/Kg	1	7/22/99

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

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 23-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Fred Feasel G#1E
<b>Work Order:</b>	9907019	<b>Client Sample ID:</b>	9907081340; 4 Wall Comp
<b>Lab ID:</b>	9907019-06A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Fred Feasel G1, G1 Drip & G1E	<b>Collection Date:</b>	7/8/99 1:40:00 PM
		<b>COC Record:</b>	7646

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	1920	25		mg/Kg	1	7/22/99

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

1 of 1

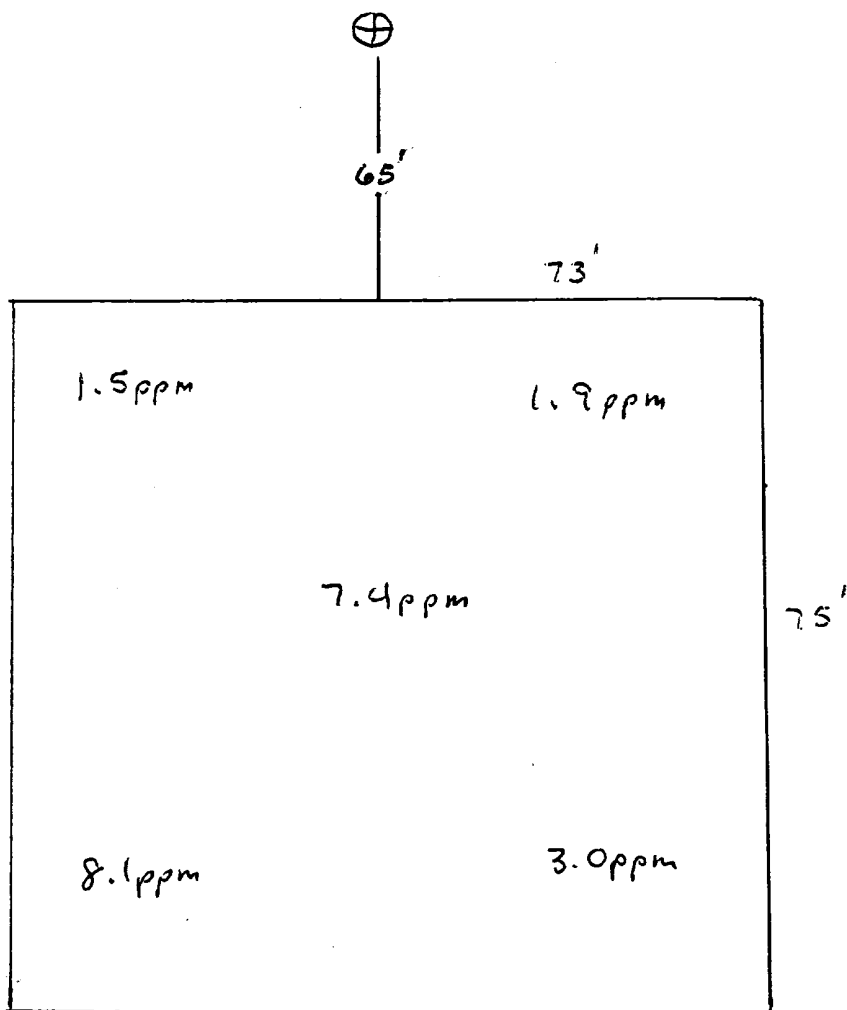
P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Fred Leasel G-1E  
Sec-2 T27N R-10W ULO  
Cross Timbers

# Landfarm Drawing

App 58.66 cu. yds



2" to 12" Depth  
Headspace 14.1 ppm  
Sample # 9908061130

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

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**On Site Technologies, LTD.**

**Date:** 11-Aug-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation Landfarms  
**Lab Order:** 9908017

**CASE NARRATIVE**

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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



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 11-Aug-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Fred Feasel G-1E LF
Work Order:	9908017	Client Sample ID:	9908061130; 5pt. Composite
Lab ID:	9908017-01A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	08/06/1999 11:30:00 AM
		COC Record:	7801

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	1160	25		mg/Kg	1	08/09/1999

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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