

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

RECEIVED  
NOV - 1 1999  
OIL CON. DIV.  
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

<b>Operator:</b> PNM Gas Services ( Burlington )		<b>Telephone:</b> 324-3764	
<b>Address:</b> 603 W. Elm Street Farmington, NM 87401			
<b>Facility or Well Name:</b> Hanks #17			
<b>Location:</b>	Unit <u>N</u>	Sec <u>5</u>	T <u>27 N</u> R <u>9 W</u> County <u>San Juan</u>
<b>Pit Type:</b>	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
<b>Land Type:</b>	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other <input type="checkbox"/>
<b>Pit Location:</b> Pit dimensions: length <u>20</u> ' width <u>20</u> ' depth <u>1</u> '			
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
Footage from reference: <u>91</u> '			
Direction from reference: <u>26</u> Degrees <input type="checkbox"/> East <input type="checkbox"/> North <input type="checkbox"/>			
of <input checked="" type="checkbox"/> West <input checked="" type="checkbox"/> South <input type="checkbox"/>			
<b>Depth to Ground Water:</b>		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)	<u>0</u>
<b>Wellhead Protection Area:</b>		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)	<u>0</u>
<b>Distance to Surface Water:</b>		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)	<u>0</u>
<b>RANKING SCORE (TOTAL POINTS):</b>			<u>0</u>

Hanks #17

Date Remediation Started: 07/14/1999

Date Completed: 07/15/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 912

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 872

Other 40 cu yds overburden

Remediation Location: Onsite 250 cu yds.

Offsite 622 cu yds on Hanks #10 (same legals).

(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 48' X 28.5' X 18' and landfarmed 250 cu yds onsite and 622 on Hanks #10 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 18'

Sample date 07/15/1999

Sample time 12:50:00 PM

## Sample Results

Benzene (ppm) &lt; 0.002

Total BTEX (ppm) 0.017

Field headspace (ppm)

TPH (ppm) &lt; 25.00 Method 8015B

Vertical Extent (ft)

Risk Analysis form attached Yes ☐ No ☒

Ground Water Sample:

Yes

No



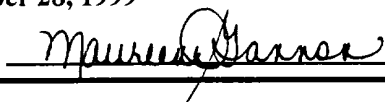
(If yes, see attached Groundwater Site Summary Report)

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

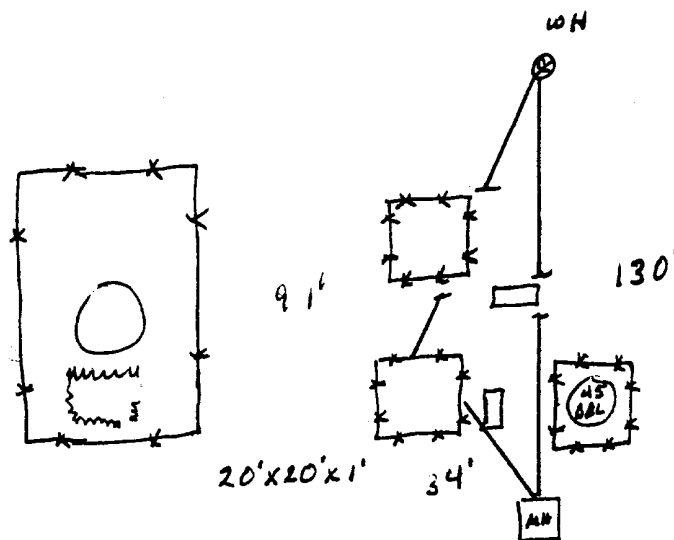
DATE October 28, 1999

PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

SIGNATURE



Hawks #17  
(N) 5-27W 9W  
Burlington  
7-14-44 @ 1328  
26° W of S



## Excavation Sampling

### PID Readings

5' - 653 ppm  
10' - 704 ppm  
15' - 838 ppm  
18' - 474 ppm

West wall sample  
at 18' - 103 ppm

North wall sample  
at 18' - 704 ppm

East wall sample  
at 18' - 84 ppm

5 point bottom composite sample  
at 18' - 834 ppm

South wall sample  
at 18' - 27 ppm

48' (N+S) x 28.5' (E+W) x 18' (D)  
Field headspace: 162 ppm (walks)

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

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**On Site Technologies, LTD.**

**Date:** 04-Aug-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Hanks 17, Whitley 3 & 9  
**Lab Order:** 9907043

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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.

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 04-Aug-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Hanks 17
<b>Work Order:</b>	9907043	<b>Client Sample ID:</b>	9907151250; 5pt Bottom Comp
<b>Lab ID:</b>	9907043-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Hanks 17, Whitley 3 & 9	<b>Collection Date:</b>	7/15/99 12:50:00 PM
		<b>COC Record:</b>	7650

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	7/29/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				Analyst: DM
Benzene	ND	2		µg/Kg	2	7/19/99
Toluene	ND	4		µg/Kg	2	7/19/99
Ethylbenzene	ND	2		µg/Kg	2	7/19/99
m,p-Xylene	17	4		µg/Kg	2	7/19/99
o-Xylene	ND	2		µg/Kg	2	7/19/99

17  
• 0.17 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

1 of 1

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 04-Aug-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hanks 17
Work Order:	9907043	Client Sample ID:	9907151255; 4 Wall Comp
Lab ID:	9907043-02A	Matrix:	SOIL
Project:	Hanks 17, Whitley 3 & 9	Collection Date:	7/15/99 12:55:00 PM
		COC Record:	7650

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/29/99

Qualifiers:

PQL - Practical Quantitation Limit

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J - Analyte detected below Practical Quantitation Limit

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

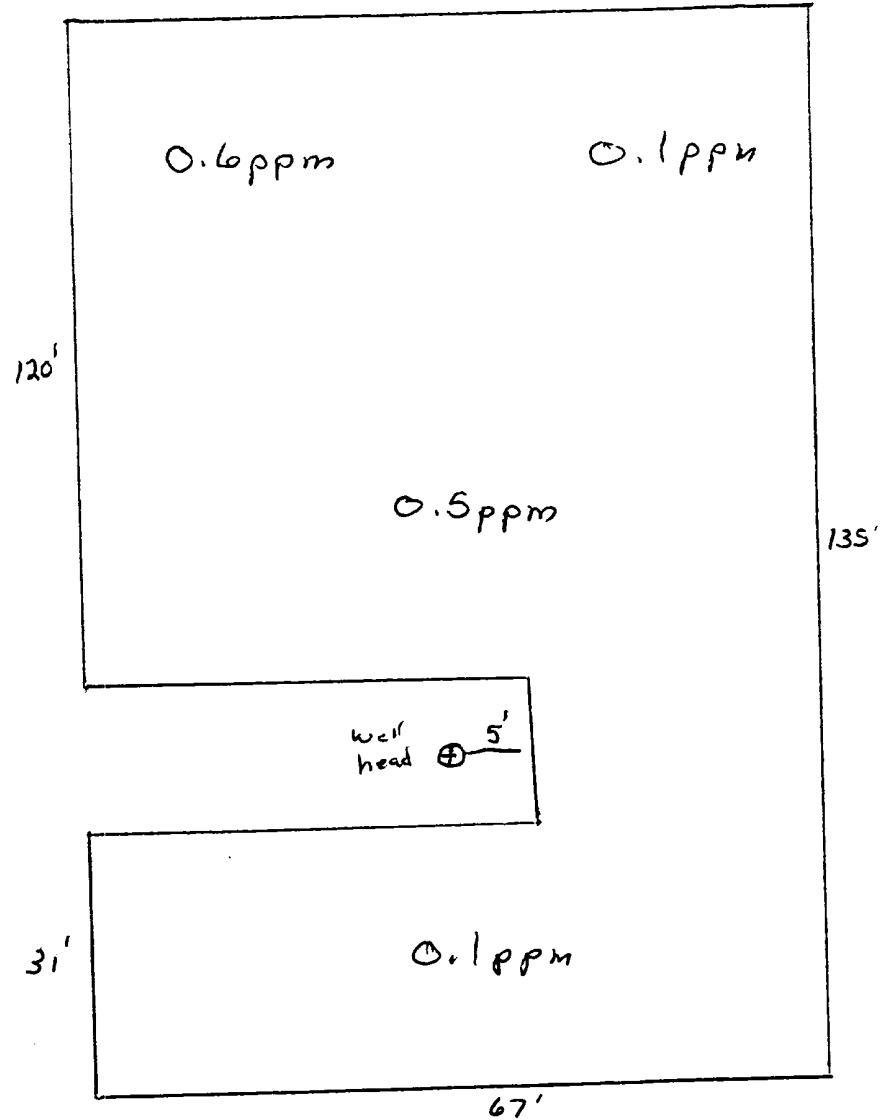
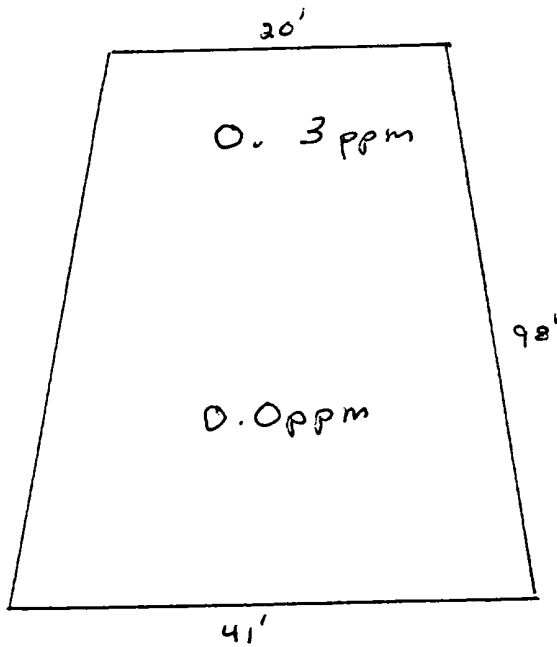
E - Value above quantitation range

Surr: - Surrogate

HANKS #17  
Sec 5 T-27N R-9W ULN  
Burlington

Landfarm Drawing #1

App 250 cu yds



2" to 12" Depth  
Headspace 5.5 ppm  
Sample # 9909010910

Not to Scale

# ON SITE

OFF: (505) 325-5667

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

**On Site Technologies, LTD.**

**Date:** 15-Sep-99

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**CLIENT:** PNM - Public Service Company of NM

**Project:** Hanks & Whitley Landfarms

**Lab Order:** 9909004

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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.



OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 15-Sep-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Hanks #17 LF #1
<b>Work Order:</b>	9909004	<b>Client Sample ID:</b>	9909010910; 6pt Composite
<b>Lab ID:</b>	9909004-04A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Hanks & Whitley Landfarms	<b>Collection Date:</b>	9/1/99 9:10:00 AM
		<b>COC Record:</b>	7655

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/8/99

**Qualifiers:**

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- B - Analyte detected in the associated Method Blank

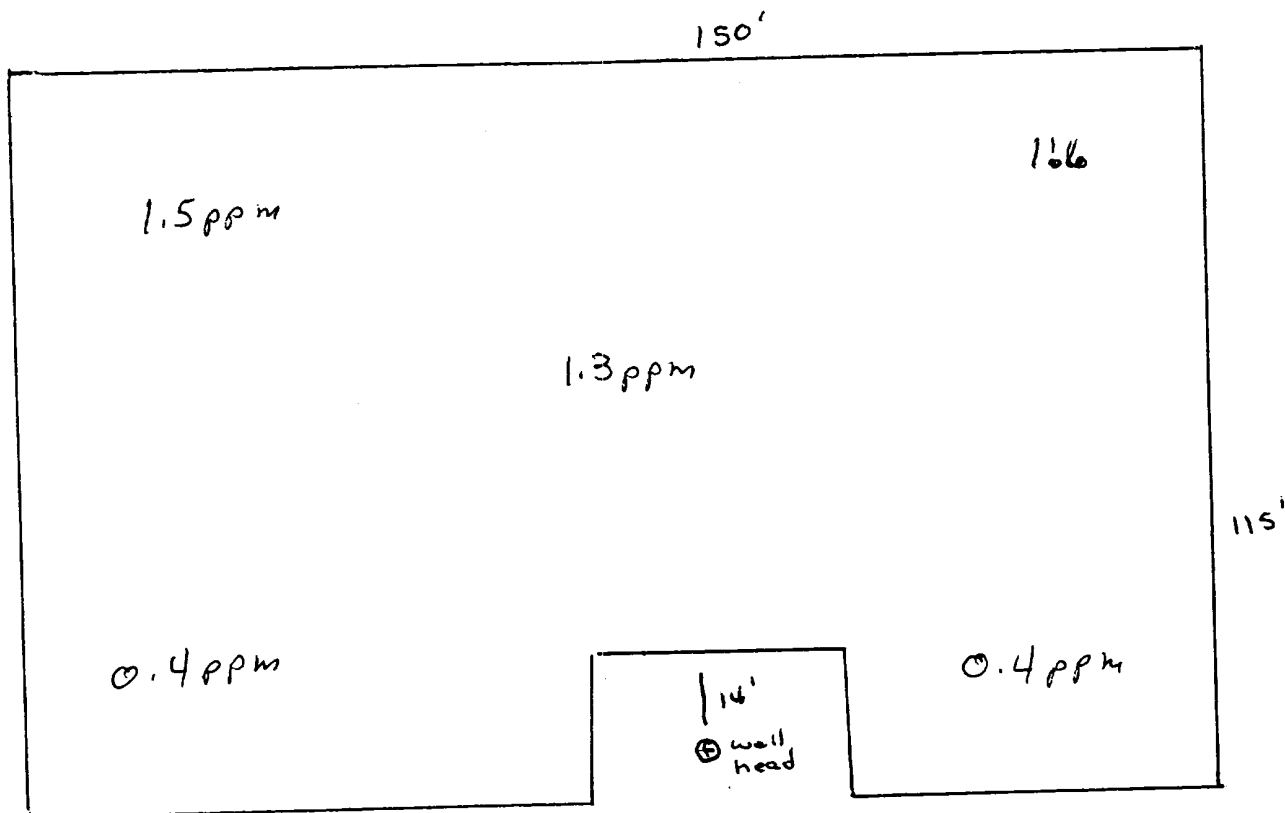
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

Hanks #17  
Sec-5 T27N R9W ULN  
Burlington

Landfarm Drawing #2  
ON Hanks #10  
Sec-5 T-27N R-9W ULN  
App 622 cu. yds



2" to 12" Depth  
Headspace 0.4 ppm  
Sample # 9909010921

Not to Scale

# ON SITE

OFF: (505) 325-5667

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

**On Site Technologies, LTD.**

Date: 15-Sep-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Hanks & Whitley Landfarms  
**Lab Order:** 9909004

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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.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 15-Sep-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hanks #17 LF #2
Work Order:	9909004	Client Sample ID:	9909010921; 5pt Composite
Lab ID:	9909004-05A	Matrix:	SOIL
Project:	Hanks & Whitley Landfarms	Collection Date:	9/1/99 9:21:00 AM
		COC Record:	7655

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/9/99

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