

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

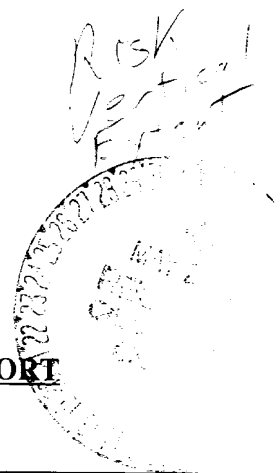
State of New Mexico  
Energy, Minerals and Natural Resources Department

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



Operator: PNM Gas Services ( Cross Timbers ) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: EH Pipken #10E

Location: Unit H Sec 1 T 27 N R 11 W County San Juan

Pit Type: Separator Dehydrator ☒ Other

Land Type: BLM ☒ State Fee Other

Pit Location: Pit dimensions: length 25 ' width 25 ' depth 3 '

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 134'

Direction from reference: 45 Degrees ☒ East North ☐  
West of South ☒

Depth to Ground Water: Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
(Vertical distance from contaminants to seasonal high water elevation of ground water) Greater than 100 feet ( 0 points) 20

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) 20

RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: 04/27/1998 Date Completed: 04/27/1998Remediation Method: Excavation X Approx. Cubic Yard 52

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 52

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 14' X 10' X 10' 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.\*\*\* Vertical extent drilling conducted to 25'. Bottom hole results below OCD guidelines as indicated on attached lab analysis and by a heated headspace reading of 16 ppm taken in the field.Ground Water Encountered: No ✓ Yes \_\_\_\_\_ Depth \_\_\_\_\_

## Final Pit Closure Sampling:

Sample Location Bottom of excavation (3 pt.)

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

Sample depth 10'Sample date 04/27/1998 Sample time 4:20:00 PM

## Sample Results

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

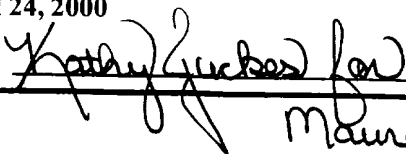
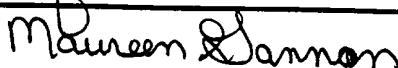
Total BTEX (ppm) \_\_\_\_\_

Field headspace (ppm) 2.8TPH (ppm) 340.00 \*\*\* Method 8015Vertical Extent (ft) 25' 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 April 24, 2000

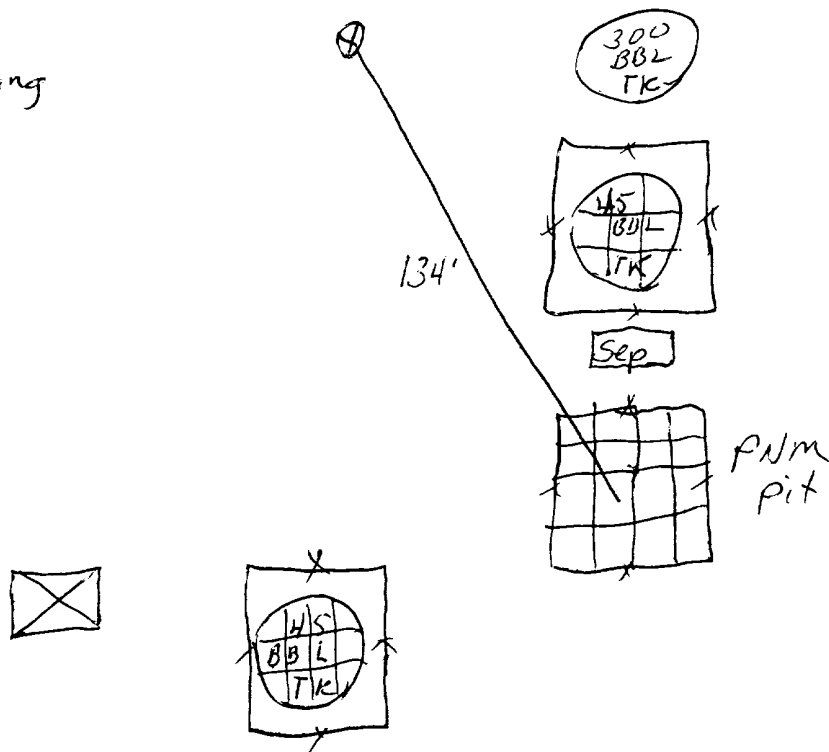
SIGNATURE

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

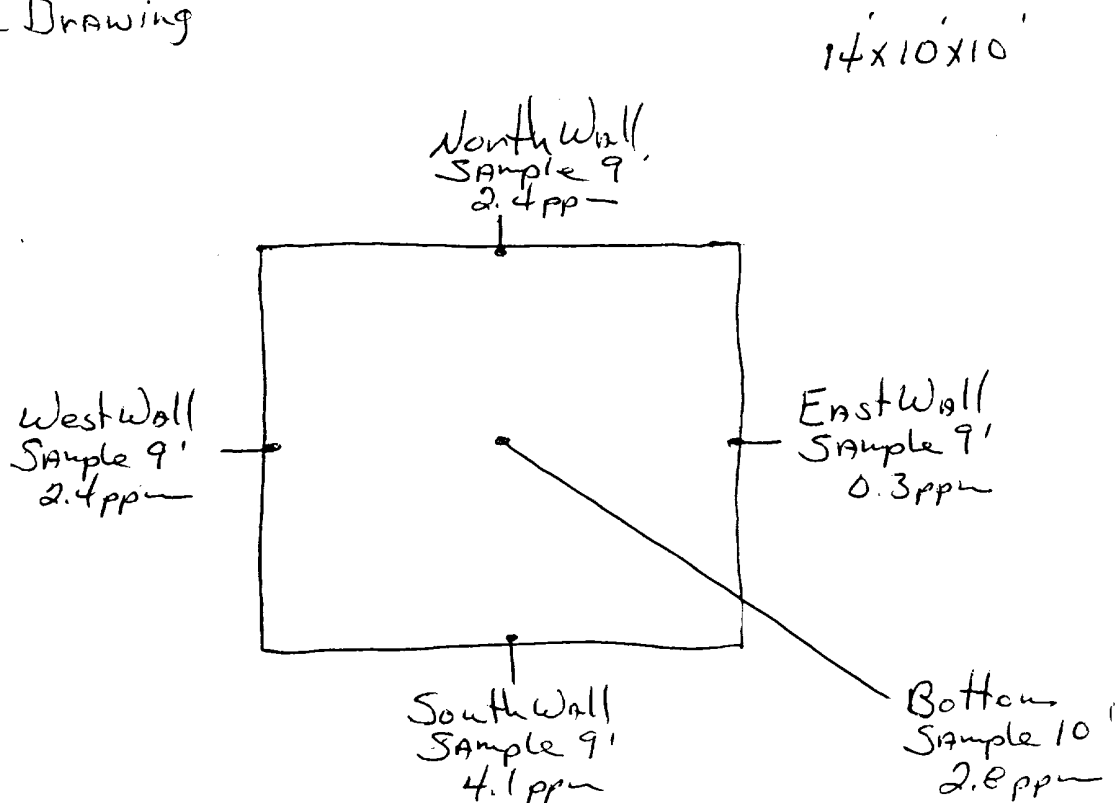
L.H. Pipkin 10 E  
Sec 1 T27N R11W Unit H  
Cross Timber

4/22/78

### Site Drawing



### Excavation Drawing



OFF: (505) 325-5667

# ON SITE

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

**On Site Technologies, LTD.**

**Date:** 06-May-98

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

**Project:** Pit Remediation

**Lab Order:** 9804042

## 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: 06-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	E.H. Pipkin 10E
Work Order:	9804042	Client Sample ID:	9804271620; 3pt. Bottom
Lab ID:	9804042-05A	Matrix:	SOIL
Project:	Pit Remediation	Collection Date:	4/27/98 4:20:00 PM
		COC Record:	7118

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	340		25	mg/Kg	1	4/30/98

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

# ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 06-May-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	E.H. Pipkin 10E
<b>Work Order:</b>	9804042	<b>Client Sample ID:</b>	9804271621; 4pt. Walls
<b>Lab ID:</b>	9804042-06A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Pit Remediation	<b>Collection Date:</b>	4/27/98 4:21:00 PM
		<b>COC Record:</b>	7118

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	65	25		mg/Kg	1	4/30/98

**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

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E - Value above quantitation range

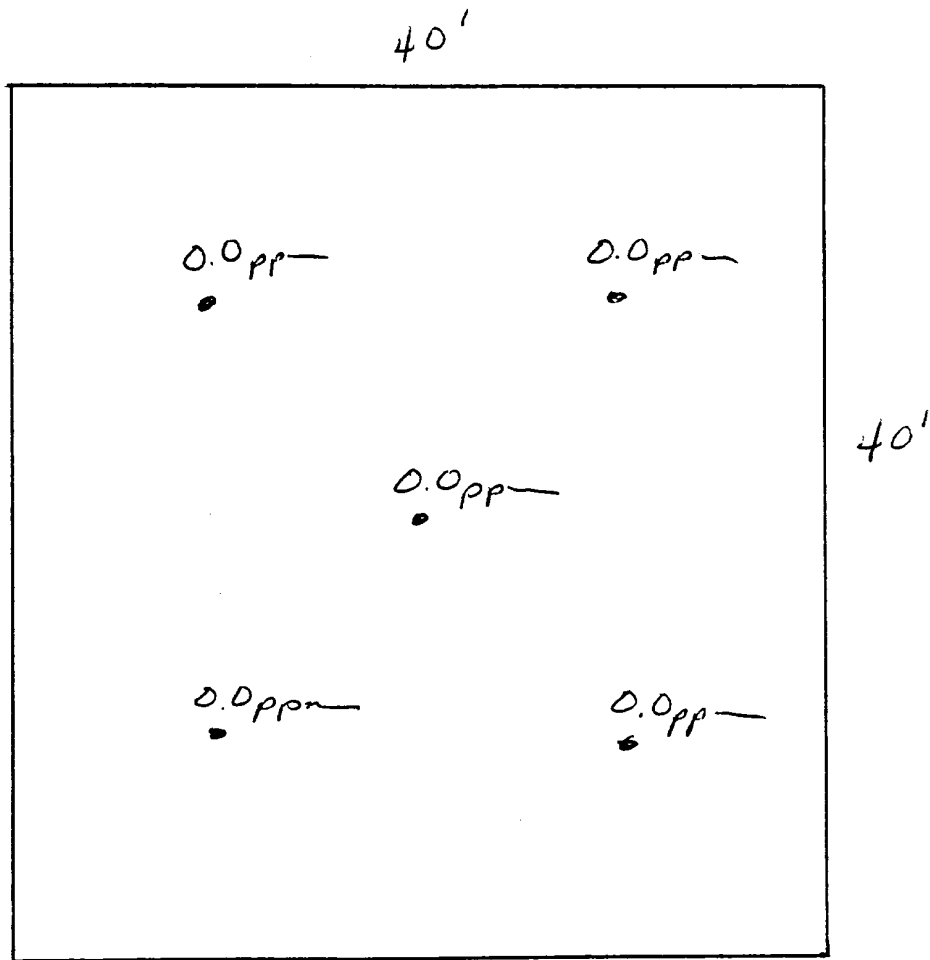
Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

E.H. Pipkin 10 E  
Sec 1 T27N R11W Unit H  
Cross Timbers

Landfarm Drawing



Head space 0.0 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 03-Feb-00

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** E.H. Pipkin 10E LF  
**Lab Order:** 0002002

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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: 03-Feb-00

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	E.H. Pipkin 10E LF
<b>Work Order:</b>	0002002	<b>Client Sample ID:</b>	0001310745; 5pt Comp.
<b>Lab ID:</b>	0002002-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	E.H. Pipkin 10E LF	<b>Collection Date:</b>	1/31/2000 7:45:00 AM
		<b>COC Record:</b>	7863

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	2/2/2000

**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

Sum: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 22-Sep-99

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

**Project:** PNM Pit Remediation

**Lab Order:** 9909014

**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: 22-Sep-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Pipken 10E @ 25ft.
<b>Work Order:</b>	9909014	<b>Client Sample ID:</b>	9909070847; Vertical Extent
<b>Lab ID:</b>	9909014-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	9/7/99 8:47:00 AM
		<b>COC Record:</b>	7656

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DM
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/10/99

**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

P.O. BOX 2606 • FARMINGTON, NM 87499

# RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # 1

Well # 1

Page 1 of 1

Project Name PWM VERTICAL EXTENT

Project Number 62800044 Phase 6001

Project Location DIPKENS ICE

Elevation                     

Borehole Location T27N R11W SEC 01 H

GWL Depth                     

Logged By C. CULLICOTT

Drilled By K. PADILLA & D. PADILLA

Date/Time Started 9/7/99 8:00am

Date/Time Completed 9/7/99 8:55am

Well Logged By C. CULLICOTT

Personnel On-Site K. PADILLA & D. PADILLA

Contractors On-Site                     

Client Personnel On-Site RAY NASTON

Drilling Method AUGER

Air Monitoring Method PID

Depth (Feet)	Sample Interval	Sample Type & Recovery (Inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU			Drilling Conditions & Blow Counts
0			SURFACE: SAND			BZ	BH	S	
5			CUTTINGS LOG: 5' DAMP BROWN POORLY SORTED SAND W/ SMALL CLAY. CLEAN						
10			10' AS ABOVE OVERALL COARSER SAND W/ SMALL GRAVEL CLEAN						
15	15'-16'		15' SPLIT SPOON GOOD RECOVERY. MEDIUM TO COARSE CLAY AS SAND, LOOSE, NO FINES OR GRAVEL						10 BLOW
20	20'-21'		20' LAB SAMPLE TAKEN 0835 DIPKENS ICE VERTICAL EXTENT FOR TPH						10 BLOW
25	25'-26'		SAMPLE IS CLEAN, LOOSE, POORLY SORTED SAND, DAMP. SMALL CLAYS.						25' - 32 BLOW
30			25' LAB SAMPLE TAKEN 0847 FOR TPH.						
35			SAMPLE IS SATURATED SAND W/ FINE GRAVEL						
40									

Comments:

SUNNY, CLEAR, COOL TD 25'

LOCATION IS ~ 7' FROM EDGE OF WASH

HOLE BACKFILLED WITH CUTTINGS

Geologist Signature

Coathy Cullcott

ip Ken IOE  
Vertical Extent

FOR 1', THEN A FEW INCHES OF SANDSTONE  
CHUNKS, THEN DRYER SAND/GRAVEL. - SMALL  
LOCALIZED PERCHED WATER TABLE.

TD 25' NO CONTAMINATION DETECTED