

District I
P.O. Box 1980, Hobbs, NM

District II
P.O. Draw

District III
1000 Rio

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Denny G. Foust
DEPUTY OIL & GAS INSPECTOR

SEP 03 1999

PIT REMEDIATION AND CLOSURE REPORT

OK
RECEIVED
JUL 30 1999

OIL CON. DIV.
DIST. 3

Hillstrom
Operator: PNM Gas Services (Williams) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Hillstrom #1A Drip

Location: Unit E Sec 35 T 32 N R 12 W County San Juan

Pit Type: Separator ☐ Dehydrator ☐ Other Drip riser

Land Type: BLM ☒ State ☐ Fee ☐ Other

Pit Location: Pit dimensions: length 20 width 20 depth 3

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 180'

Direction from reference: 30 Degrees ☒ East North ☒
of
☐ West South ☐

Depth to Ground Water:	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	<u>0</u>

(Vertical distance from contaminants to
seasonal high water elevation of ground
water)

Wellhead Protection Area:	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)

Distance to Surface Water:	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)

RANKING SCORE (TOTAL POINTS): 0

Hillstrom #1A Drip

Date Remediation Started: 04/14/1999

Date Completed: 04/14/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 320

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 240

Other 80 cu yds overburden

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 24' X 18' 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

04/14/1999

Sample time

1:30:00 PM

Sample Results

Benzene (ppm) < 0.025

Total BTEX (ppm) 0.656

Field headspace (ppm)

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 July 27, 1999

SIGNATURE

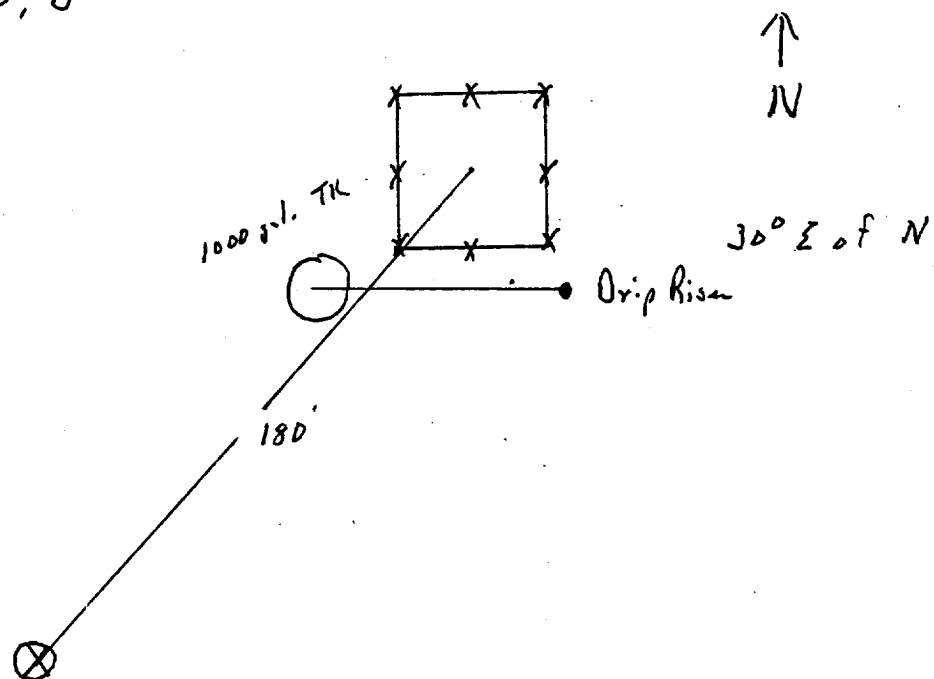
Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

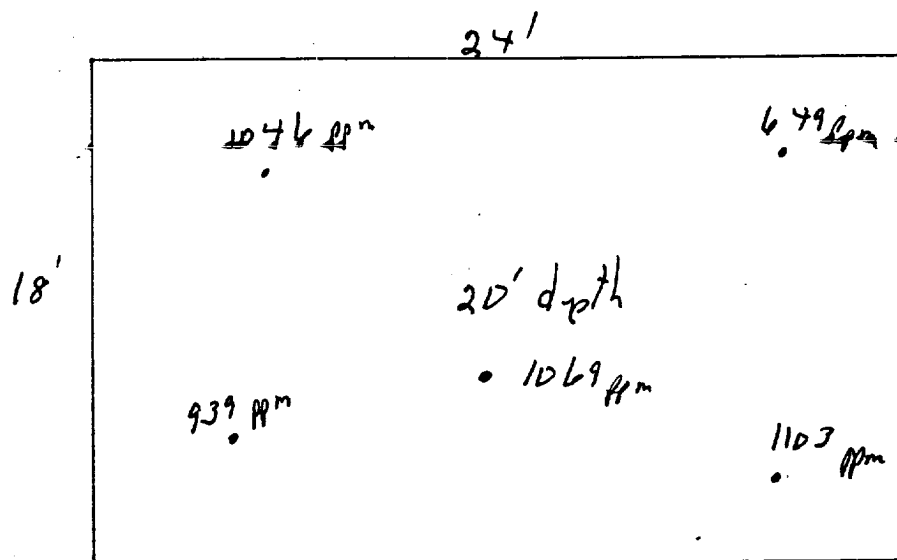
Hillstrom #1A Drip
WFS
Sec 35, 32N, 12W, 0

4/14/99

Site drawing:



End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 23-Apr-99

CLIENT: PNM - Public Service Company of NM

Project: Hillstrom #1A Drip

Lab Order: 9904020

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: 23-Apr-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hillstrom #1A Drip
Work Order:	9904020	Client Sample ID:	9904141330; Bottom @ 20ft.
Lab ID:	9904020-01A	Matrix:	SOIL
Project:	Hillstrom #1A Drip	Collection Date:	4/14/99 1:30:00 PM
		COC Record:	7560

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
	SW8015					Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/19/99
AROMATIC VOLATILES BY GC/PID						
	SW8021B					Analyst: HR
Benzene	ND	25		µg/Kg	25	4/15/99
Toluene	110	50		µg/Kg	25	4/15/99
Ethylbenzene	42	25		µg/Kg	25	4/15/99
m,p-Xylene	410	50		µg/Kg	25	4/15/99
o-Xylene	94	25		µg/Kg	25	4/15/99

656
656 ppm

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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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Apr-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hillstrom #1A Drip
Work Order:	9904020	Client Sample ID:	9904141335; Walls @ 15ft.
Lab ID:	9904020-02A	Matrix:	SOIL
Project:	Hillstrom #1A Drip	Collection Date:	4/14/99 1:35:00 PM
		COC Record:	7560

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/15/99

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

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E - Value above quantitation range

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Surr: - Surrogate

1 of 1

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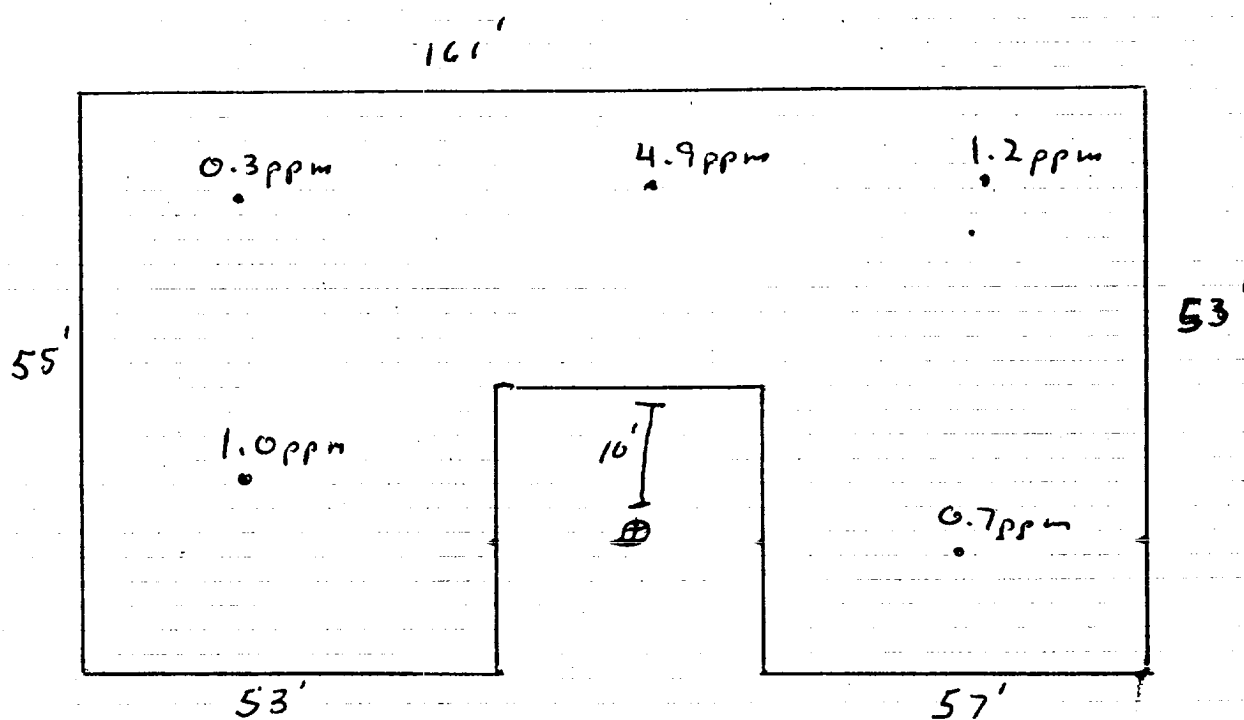
- Technology Improving the Quality of the Environment -

Hillstrom #1A DRIP
Sec-35 T-32N R-12W UL-D
WFS

ON Hillstrom 1A Location
Sec-35 T-32N R-12W UL-D

LAND FARM DRAWING

App ~~320~~²⁴⁰ cu. yds



2" to 12" depth

Headspace Reading 13.8

Sample # 9905130830

5-13-99

0830 hrs

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 21-May-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation Landfarms

Lab Order: 9905053

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.

Roy

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hillstrom 1A Drip LF
Work Order:	9905053	Client Sample ID:	9905130830; 5pt Comp
Lab ID:	9905053-01A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	5/13/99 8:30:00 AM
		COC Record:	7617

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	72	25		mg/Kg	1	5/20/99

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

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