

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

District II **DEPUTY OIL & GAS INSPECTOR**
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

SEP 03 1999

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
JUL 30 1999
OIL CON. DIV.

Operator: PNM Gas Services (Burlington) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Hillstrom #3

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

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

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

(Attach diagram) **Reference:** wellhead ☒ other ☐

Footage from reference: 75 '

Direction from reference: 45 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 #3

Date Remediation Started: 04/15/1999

Date Completed: 04/15/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 66

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 66

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 16' 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

04/15/1999

Sample time

8:40:00 AM

Sample Results

Benzene (ppm) < 0.050

Total BTEX (ppm) 16.900

Field headspace (ppm) _____

TPH (ppm)

2200.00

Method

8015B

Vertical Extent (ft) _____

Risk Analysis form attached Yes ☐No ☒

Ground Water Sample:

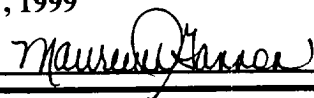
Yes ☐No ☒

(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

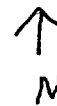
SIGNATURE



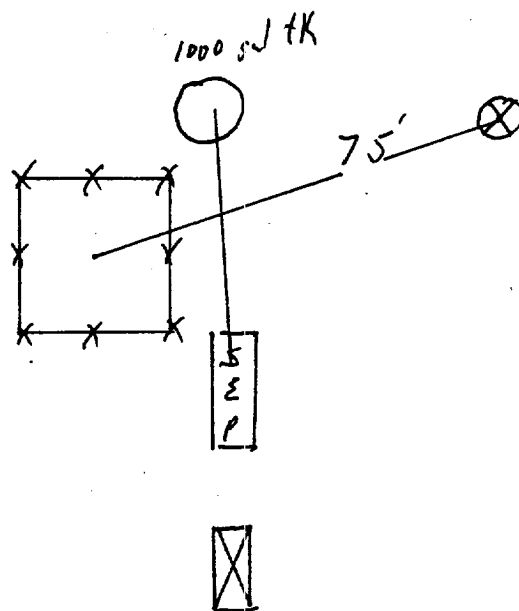
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Hillstrom #3
Burlington
Sec. 38, 32N, 12W, 0

4/15/99

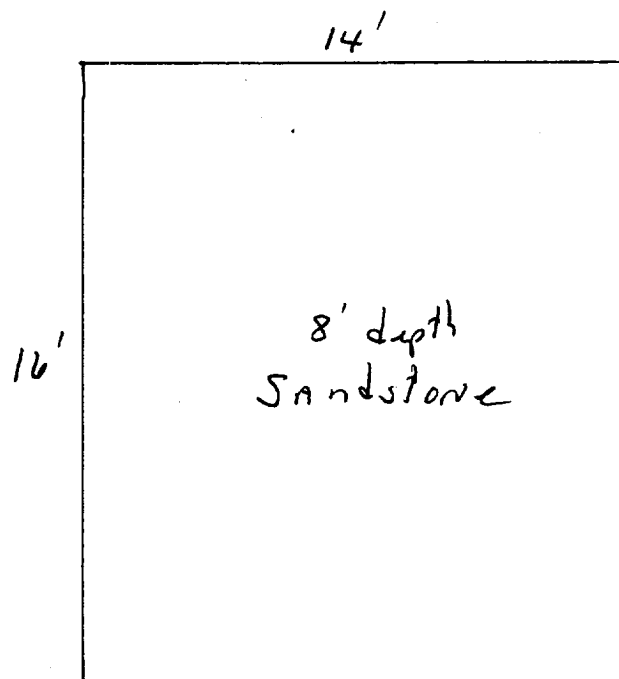


site diagram:



45° W of S

End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 04-May-99

CLIENT: PNM - Public Service Company of NM

Project: Hillstrom #3

Lab Order: 9904027

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-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hillstrom #3
Work Order:	9904027	Client Sample ID:	9904150840; Bottom @ 8ft
Lab ID:	9904027-01A	Matrix:	SOIL
Project:	Hillstrom #3	Collection Date:	4/15/99 8:40:00 AM
		COC Record:	7562

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	2200	25		mg/Kg	1	4/29/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	ND	50		µg/Kg	50	4/22/99
Toluene	890	100		µg/Kg	50	4/22/99
Ethylbenzene	910	50		µg/Kg	50	4/22/99
m,p-Xylene	12000	200		µg/Kg	100	4/26/99
o-Xylene	3100	50		µg/Kg	50	4/22/99

16900
16.9 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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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 04-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hillstrom #3
Work Order:	9904027	Client Sample ID:	9904150845; Walls @ 4ft
Lab ID:	9904027-02A	Matrix:	SOIL
Project:	Hillstrom #3	Collection Date:	4/15/99 8:45:00 AM
		COC Record:	7562

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/16/99

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

1 of 1

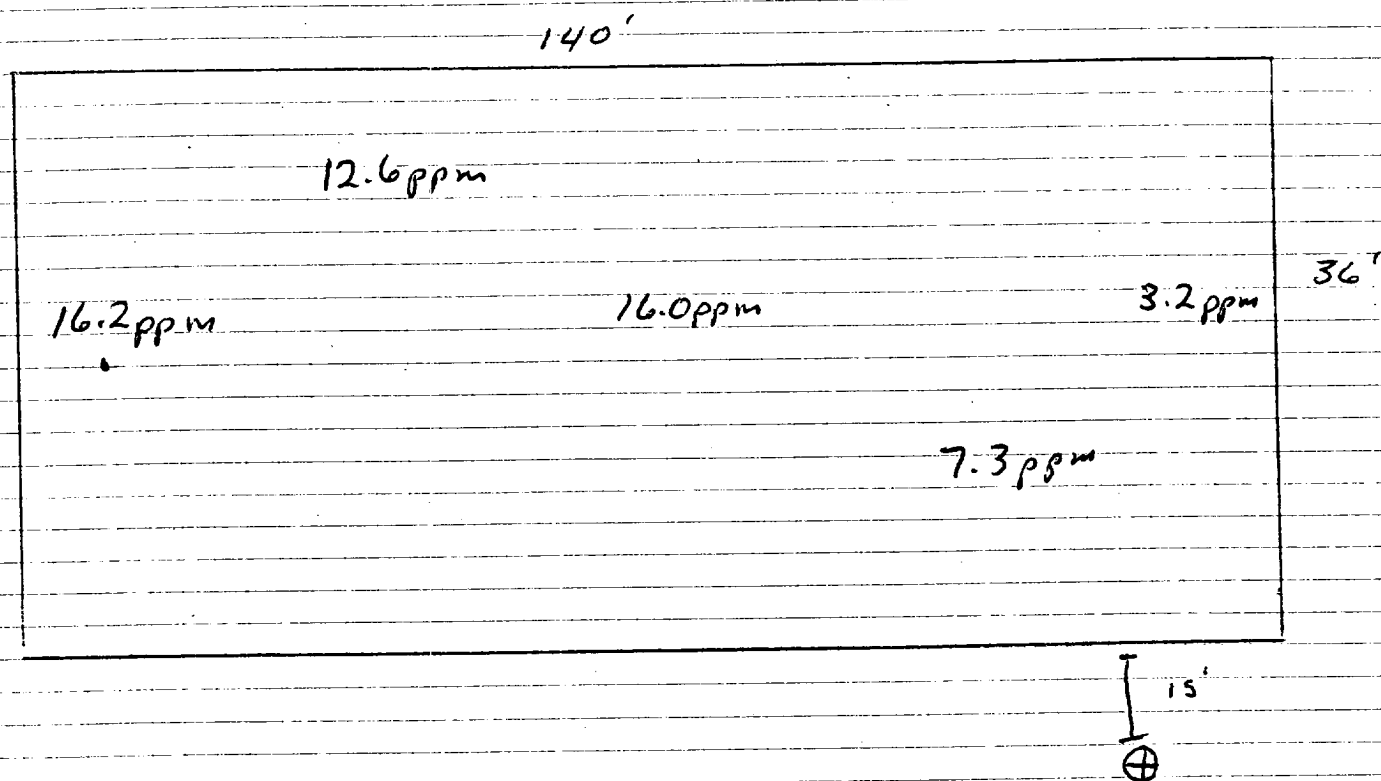
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Sec-35 T-32N R-12W 46D
Burlington

Landfarm Drawing

on location App 66 cu yds



2" to 12" depth

HEADSPACE 25.3 ppm
SAMPLE # 9905261025

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 02-Jun-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9905088

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

Roy

ANALYTICAL REPORT

Date: 02-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hillstrom #3 LF
Work Order:	9905088	Client Sample ID:	9905261025; 5pt. Comp
Lab ID:	9905088-02A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	5/26/99 10:25:00 AM
		COC Record:	7712

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	3600	25		mg/Kg	1	5/27/99

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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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -