

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

District II
P.O. Drawer D-111, Hobbs, NM 88241

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

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

SEP 03 1999

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
JUL 30 1999

OIL CON. DIV.

DIST. 3

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Decker #3A

Location: Unit F Sec 23 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: 108'

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

Depth to Ground Water:

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

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 0

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or, less than 1,000
feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance to Surface Water:

(Horizontal distance to perennial lakes,
ponds, rivers, streams, creeks, irrigation
canals and ditches)

Less than 200 feet (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Decker #3A

Date Remediation Started: 04/20/1999

Date Completed: 04/20/1999

Remediation Method:

Excavation

☒

Approx. Cubic Yard

130

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

130

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 16' X 22' 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.

*** Sandstone encountered at 10'. See attached risk analysis form and lab analysis.

Ground Water Encountered:

No



Yes



Depth

Final Pit Closure Sampling:

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

Sample Location

5 pt. composite - bottom.

Sample depth

10'

Sample date

04/20/1999

Sample time

10:00:00 AM

Sample Results

Benzene (ppm)

2.700

Total BTEX (ppm)

123.800 ***

Field headspace (ppm)

TPH (ppm)

300.00

Method

8015B

Vertical Extent (ft)

Risk Analysis form attached Yes



No



Ground Water Sample:

Yes



No

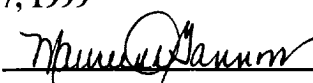


(If yes, see attached Groundwater Site Summary Report)

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



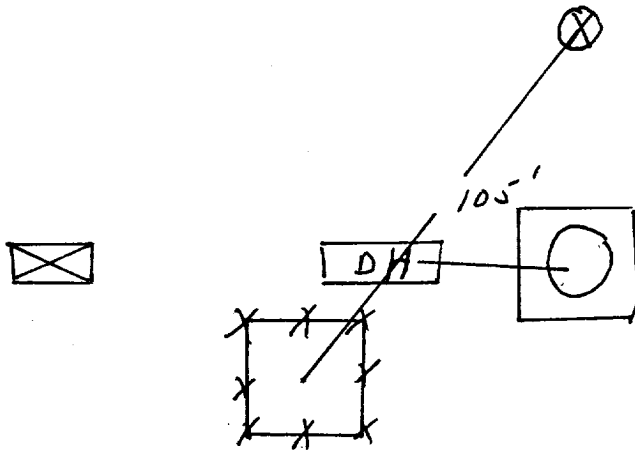
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Deck # 3A
Burlington
Sec. 23, 32N, 12W, F

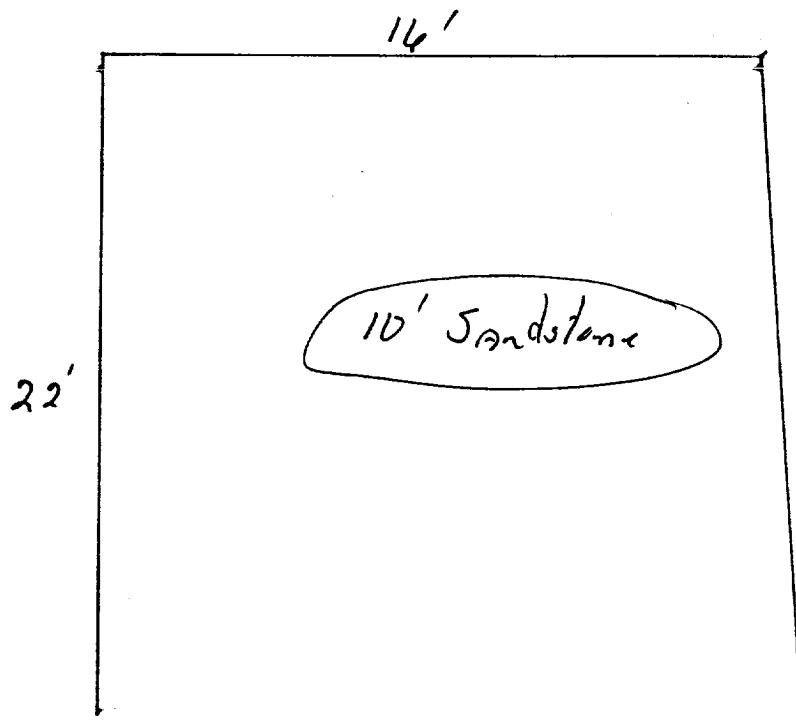
4/20/99

↑
N

Site diagram:



End of excavation:



Not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 29-Apr-99

CLIENT: PNM - Public Service Company of NM
Project: Decker #3A
Lab Order: 9904043

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.

6C

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Apr-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Decker #3A
Work Order:	9904043	Client Sample ID:	9904201000; Bottom @ 10ft.
Lab ID:	9904043-01A	Matrix:	SOIL
Project:	Decker #3A	Collection Date:	4/20/99 10:00:00 AM
		COC Record:	7569

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	300	25		mg/Kg	1	4/28/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	2700	500		µg/Kg	500	4/21/99
Toluene	40000	1000		µg/Kg	500	4/21/99
Ethylbenzene	6100	500		µg/Kg	500	4/21/99
m,p-Xylene	63000	1000		µg/Kg	500	4/21/99
o-Xylene	12000	500		µg/Kg	500	4/21/99

123800
123.8 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

P.O. BOX 2606 • FARMINGTON, NM 87499

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Apr-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Decker #3A
Work Order:	9904043	Client Sample ID:	9904201010; Walls @ 5ft.
Lab ID:	9904043-02A	Matrix:	SOIL
Project:	Decker #3A	Collection Date:	4/20/99 10:10:00 AM
		COC Record:	7569

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	58	25		mg/Kg	1	4/28/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	ND	1		µg/Kg	1	4/21/99
Toluene	3.7	2		µg/Kg	1	4/21/99
Ethylbenzene	7.8	1		µg/Kg	1	4/21/99
m,p-Xylene	44	2		µg/Kg	1	4/21/99
o-Xylene	12	1		µg/Kg	1	4/21/99

67.5
0.0675 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

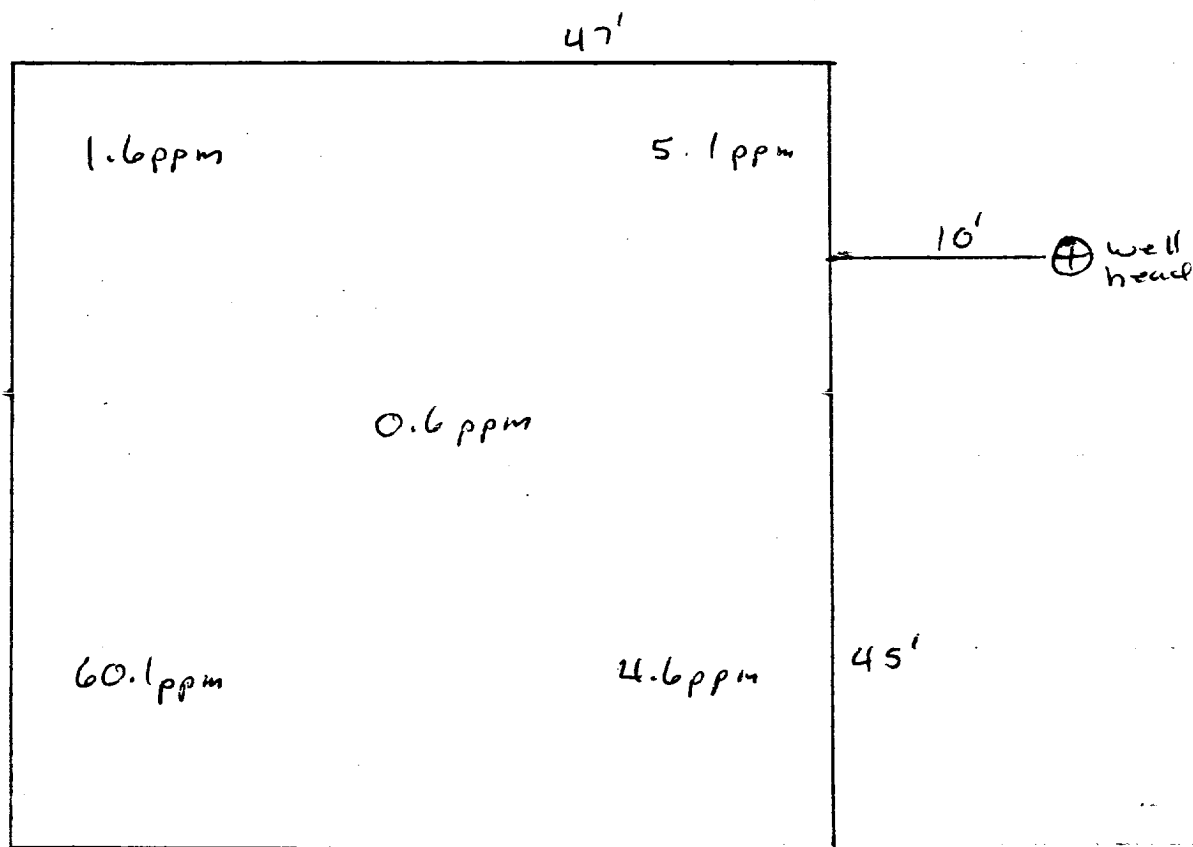
P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY SERVING INDUSTRY WITH THE ENVIRONMENT -

1 of 1

Decker 3A
Sec-23 T-32N R-12W UL F
Burlington

Land farm Drawing
on location App 130 cu yds



2" to 12" Depth
Headspace 39.6 ppm
Sample # 9906021020

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 14-Jun-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation Landfarms

Lab Order: 9906006

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



RB

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Decker #3A LF
Work Order:	9906006	Client Sample ID:	9906021020; 5pt. Comp
Lab ID:	9906006-03A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	6/2/99 10:20:00 AM
		COC Record:	7714

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/7/99

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



Environmental Services

Well Name:	Decker #3A
Well Legals:	Unit F, Sec 23, T32N, R12W
Pit Type:	Dehydrator
Horizontal Distance to Surface Water:	Greater than 1,000 feet
Groundwater Depth:	Greater than 100 feet

RISK ANALYSIS

PNM requests closure of their former pit on the Decker #3A well site using a limited risk analysis based on the following conditions:

1. Groundwater is estimated to be at a depth of 298 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" wash. (Reference: Adobe Downs Ranch, NM series 7.5 minute topographic map.)
2. PNM excavated 130 cubic yards of soil from the former pit. Subsurface lateral contamination has been remediated (see attached map and analytical results for the side wall profiles). Source removal minimizes the possibility of surface water contamination.
3. Sandstone was encountered at 10 feet below ground surface. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is unlikely.
4. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the Decker #3A well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 1,000 pits.