

District I
P.O. Box 1880, Hobbs, NM
District II
P.O. Box 1880, Hobbs, NM
District III
1000 Rio Brazos Rd, Aztec, NM 87410

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

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
JUL 31 1998
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: Patterson B Com #1A

Location: Unit L Sec 2 T 31 N R 12 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other

Land Type: BLM ☐ State ☐ Fee ☒ Other No

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

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 130'

Direction from reference: 50 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) 10

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

Wellhead Protection Area: Yes (20 points)
No (0 points) 0

(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) 0

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

RANKING SCORE (TOTAL POINTS): 10

Patterson B Com #1A

Date Remediation Started: 5/12/98

Date Completed: 5/12/98

Remediation Method:

Excavation ☒

Approx. Cubic Yard 75

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 75

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 19' X 21' X 5' 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

Bottom of excavation.

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

Sample depth

5'

Sample date

5/12/98

Sample time

1:30:00 PM

Sample Results

Benzene (ppm) < 0.0500

Total BTEX (ppm) 8.0400

Field headspace (ppm) _____

TPH (ppm)

< 25.00

Method

8015

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, 1998

SIGNATURE

Gary Cook

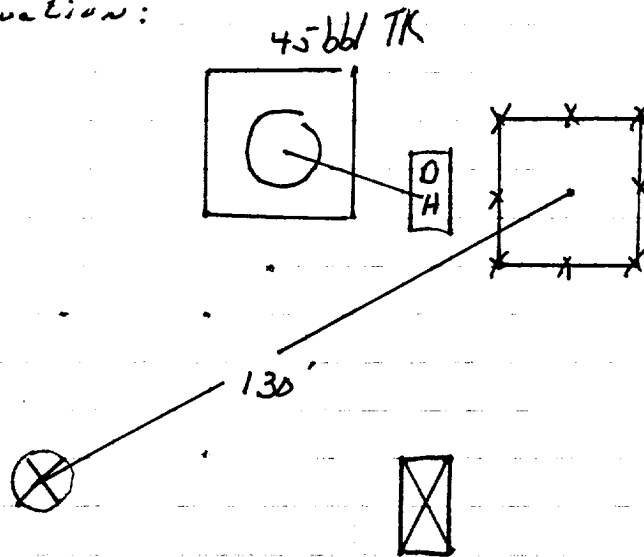
PRINTED NAME Gary Cook

AND TITLE Environmental Technician III

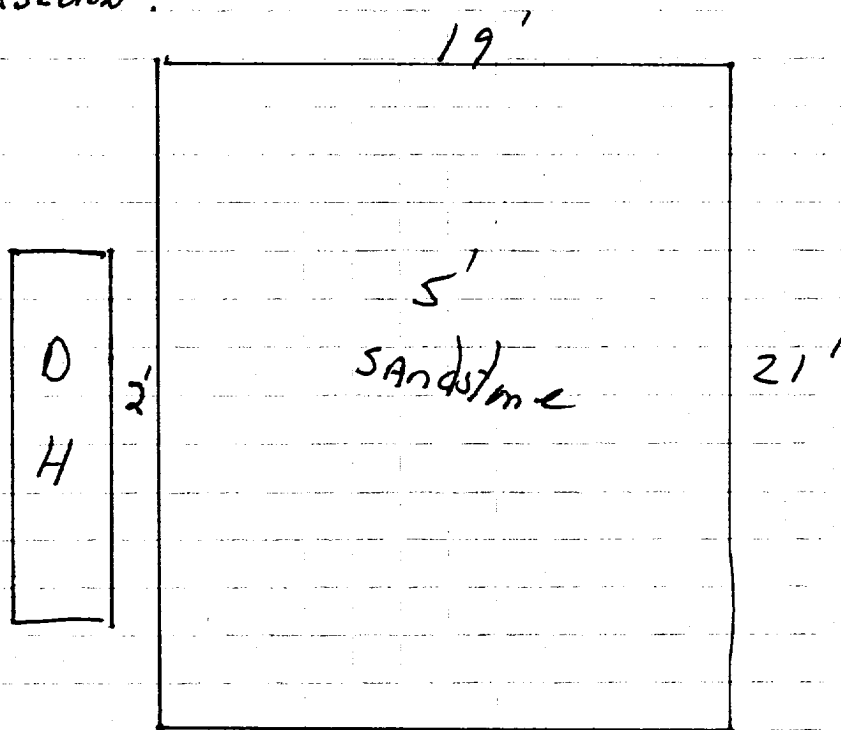
Patterson "B" Com #1A
Burlington Resources
Sec. 2, 3/N, 12W, L

5/12/98

Start of excavation:



End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 26-May-98

CLIENT: PNM - Public Service Company of NM
Project: Patterson "B" Com #1A
Lab Order: 9805035

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

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT**Date:** 26-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Patterson "B" Com #1A
Work Order:	9805035	Client Sample ID:	9805121330; Bottom @ 5ft.
Lab ID:	9805035-01A	Matrix:	SOIL
Project:	Patterson "B" Com #1A	Collection Date:	5/12/98 1:30:00 PM
		COC Record:	7214

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	5/21/98
BTEX						
		SW8020A				Analyst: HR
Benzene	ND	50		µg/Kg	50	5/20/98
Toluene	270	100		µg/Kg	50	5/20/98
Ethylbenzene	470	50		µg/Kg	50	5/20/98
m,p-Xylene	5700	100		µg/Kg	50	5/20/98
o-Xylene	1600	50		µg/Kg	50	5/20/98

8040
8040 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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 26-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Patterson "B" Com #1A
Work Order:	9805035	Client Sample ID:	9805121335; Walls @ 2ft.
Lab ID:	9805035-02A	Matrix:	SOIL
Project:	Patterson "B" Com #1A	Collection Date:	5/12/98 1:35:00 PM
		COC Record:	7214

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	5/21/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	2		µg/Kg	2	5/18/98
Toluene	ND	4		µg/Kg	2	5/18/98
Ethylbenzene	4.2	2		µg/Kg	2	5/18/98
m,p-Xylene	29	4		µg/Kg	2	5/18/98
o-Xylene	7.9	2		µg/Kg	2	5/18/98

41.1
0411 ppm

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- S - Spike Recovery outside accepted recovery limits
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- Surrogate - Surrogate

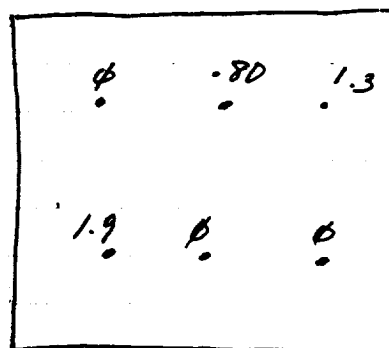
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Patterson "B" Com #1A
BR
Sec. 2, 31N, 12W, L

6/29/98

Landfarm:

75 yards.



980629/000
2"-12" depth

soil vapor head space = 6.4 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 01-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: Landfarms

Lab Order: 9806114

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

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Patterson "B" Com #1A
Work Order:	9806114	Client Sample ID:	9806291000; 6pt. Comp 2-12in.
Lab ID:	9806114-05A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	6/29/98 10:00:00 AM
		COC Record:	7306

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	66	25		mg/Kg	1	3/30/98

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

1 of 1