

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

RECEIVED
JUL 31 1998
OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Questar) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Knauff B #1E

Location: Unit N Sec 31 T 28 N R 10 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: 91'

Direction from reference: 80 Degrees ☐ East ☒ North ☐ South ☒ West of

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

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

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

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

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

RANKING SCORE (TOTAL POINTS): 0

Knauff B #1E

Date Remediation Started: 4/29/98

Date Completed: 5/5/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 225

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 225

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 21' X 17' X 17' 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

17'

Sample date

4/29/98

Sample time

11:20:00 AM

Sample Results

Benzene (ppm) < 0.0020

Total BTEX (ppm) 0.0363

Field headspace (ppm)

TPH (ppm)

170.00

Method

8015

Vertical Extent (ft)

Risk Analysis form attached Yes

No ☒

Ground Water Sample:

Yes

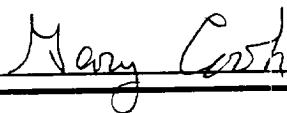
No ☒

(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



PRINTED NAME Gary Cook

AND TITLE

Environmental Technician III

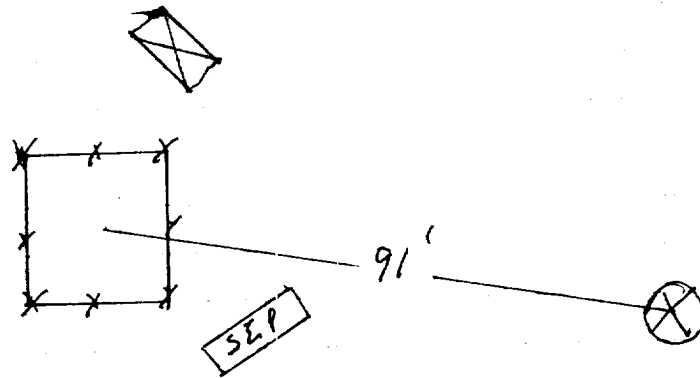
Kwanff B #15

4/29/98

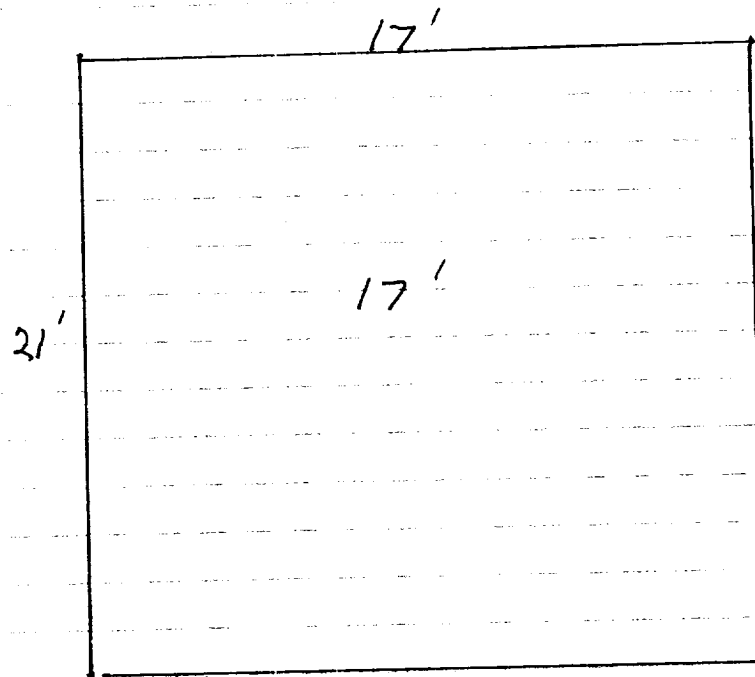
Questar

Sec 31, 28N, 10W, N

Start of excavation:



End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 12-May-98

CLIENT: PNM - Public Service Company of NM
Project: Knauff B #1E
Lab Order: 9804059

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: 12-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Knauff B #1E
Work Order:	9804059	Client Sample ID:	9804291120; Bottom
Lab ID:	9804059-01A	Matrix:	SOIL
Project:	Knauff B #1E	Collection Date:	4/29/98 11:20:00 AM
		COC Record:	7122

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	170	25		mg/Kg	1	5/8/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	2		µg/Kg	2	5/6/98
Toluene	ND	4		µg/Kg	2	5/6/98
Ethylbenzene	6.3	2		µg/Kg	2	5/6/98
m,p-Xylene	19	4		µg/Kg	2	5/6/98
o-Xylene	11	2		µg/Kg	2	5/6/98

36.3
 .0363 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

1 of 1

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- Technology Blending Industry with the Environment -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 12-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Knauff B #1E
Work Order:	9804059	Client Sample ID:	9804291130; Walls
Lab ID:	9804059-02A	Matrix:	SOIL
Project:	Knauff B #1E	Collection Date:	4/29/98 11:30:00 AM
		COC Record:	7122

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	25	25		mg/Kg	1	5/8/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	1		µg/Kg	1	5/6/98
Toluene	ND	2		µg/Kg	1	5/6/98
Ethylbenzene	1	1		µg/Kg	1	5/6/98
m,p-Xylene	ND	2		µg/Kg	1	5/6/98
o-Xylene	ND	1		µg/Kg	1	5/6/98

1
 .0010 ppm

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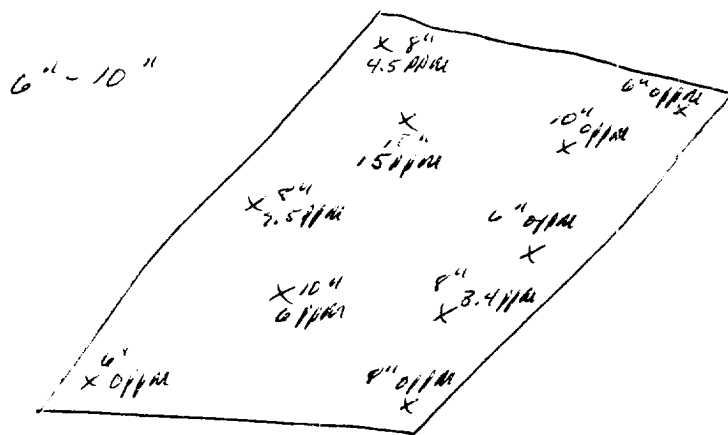
Surr: - Surrogate

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- TECHNOLOGY BELONGS EXCLUSIVELY TO THE COMPANY -

KNOUFF B#12
 820 FSE 1460 FWL
 31-260-10W
 50W Juan
 Questar
 Lab sample # 9805210815
 Field head up - 6.4 ppm



⊗ WH

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Knauff B 1E Landfarm
Work Order:	9805071	Client Sample ID:	9805210815
Lab ID:	9805071-06A	Matrix:	SOIL
Project:	Landfarm Composites	Collection Date:	5/21/98 8:15:00 AM
		COC Record:	5221

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	480	25		mg/Kg	1	5/27/98

Qualifiers:

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E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

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