

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

OK

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Pritchard #4

Location: Unit L Sec 31 T 29 N R 8 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: 154'

Direction from reference: 35 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

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DIST. 3

Pritchard #4

Date Remediation Started: 06/30/1999

Date Completed: 06/30/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 758

(Check all
appropriate
sections)Landfarmed ☒

Amount Landfarmed (cubic yds) 558

Other 200 cu yds clean 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 33' X 31' 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

06/30/1999

Sample time

3:15:00 PM

Sample Results

Benzene (ppm)

0.14

Total BTEX (ppm)

13.57

Field headspace (ppm)

TPH (ppm)

44.00

Method

8015B

Vertical Extent (ft)

Risk Analysis form attached Yes ☐No ☒

Ground Water Sample:

Yes ☐No ☒(If yes, see attached Groundwater Site
Summary Report)

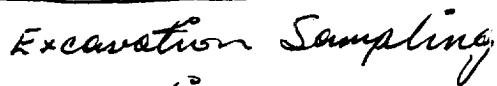
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEDGE AND MY BELIEF

DATE January 24, 2000

SIGNATURE

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

IV



83' (N+S) x 31' (E+W) x 20' (D)

north wall sample
at 18' - 0ppm

East wall sample
at 28' - 0 ppm

west wall sample
at 28'. oppn —

5 point bottoms composite sample
at 20' - 2582ppm

South wall sample
at 18' - 0 ppm

not to seal

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 15-Jul-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9907001

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:** 15-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Pritchard 4
Work Order:	9907001	Client Sample ID:	9906301515; 5pt. Bottom Comp
Lab ID:	9907001-05A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/30/99 3:15:00 PM
		COC Record:	7642

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	44	25		mg/Kg	1	7/12/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DM
Benzene	140	50		µg/Kg	50	7/2/99
Toluene	2500	1000		µg/Kg	500	7/1/99
Ethylbenzene	830	500		µg/Kg	500	7/1/99
m,p-Xylene	7700	1000		µg/Kg	500	7/1/99
o-Xylene	2400	500		µg/Kg	500	7/1/99

13570
13.57 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: 15-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Pritchard 4
Work Order:	9907001	Client Sample ID:	9906301520; 4pt. Wall Comp
Lab ID:	9907001-06A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/30/99 3:20:00 PM
		COC Record:	7642

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	48	25		mg/Kg	1	7/13/99

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

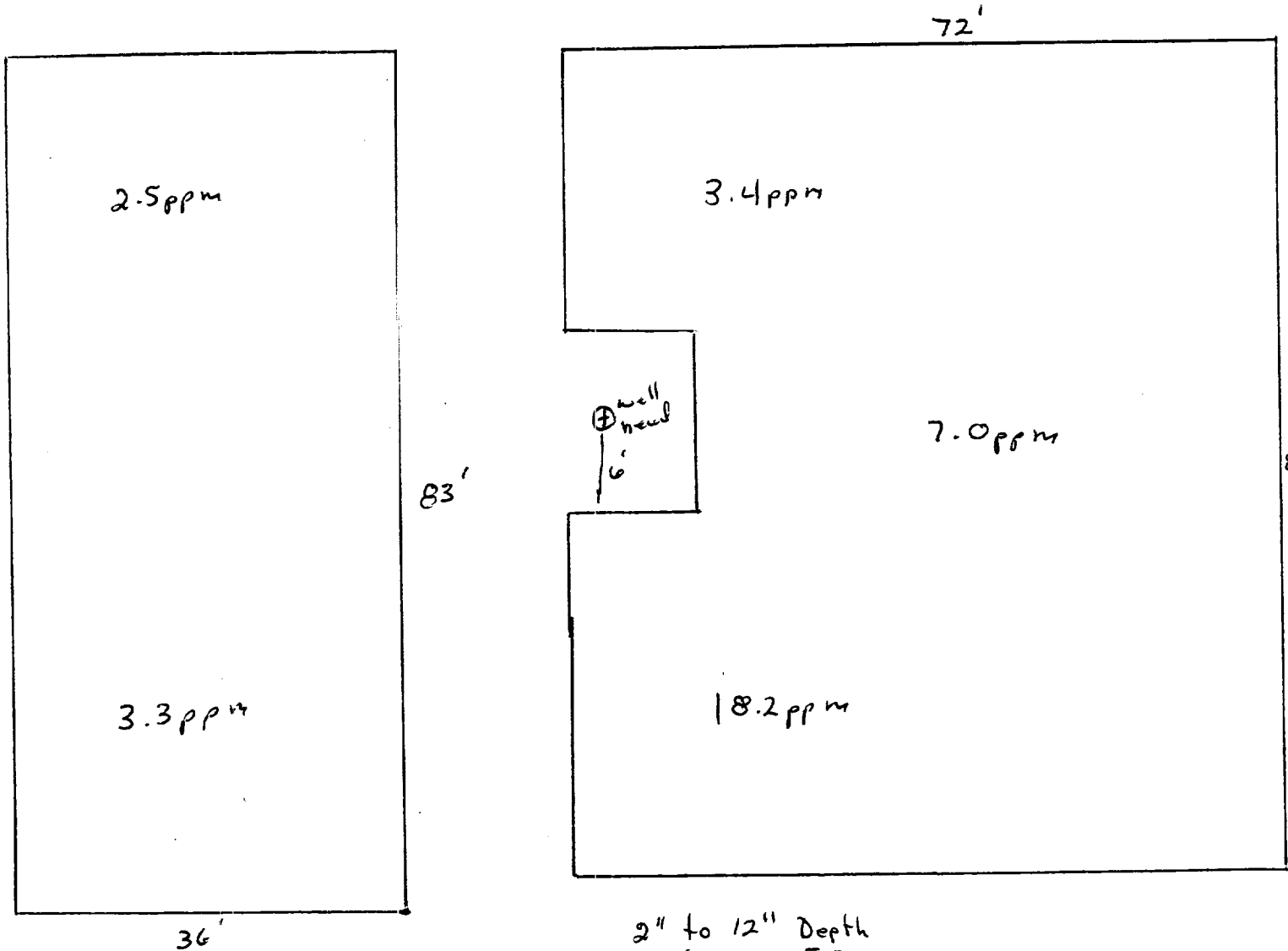
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PRITCHARD
Sec-31 T-29AB R-8W 46-L
Amoco

Landform Drawing #1

App 552.77 cu. yds



2" to 12" Depth
Headspace 5.3 ppm
Sample # 9908061559

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 11-Aug-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9908018

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: 11-Aug-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Pritchard #4 LF
Work Order:	9908018	Client Sample ID:	9908061559; 5pt Composite
Lab ID:	9908018-04A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	08/06/1999 3:59:00 PM
		COC Record:	7805

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	28	25		mg/Kg	1	08/10/1999

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

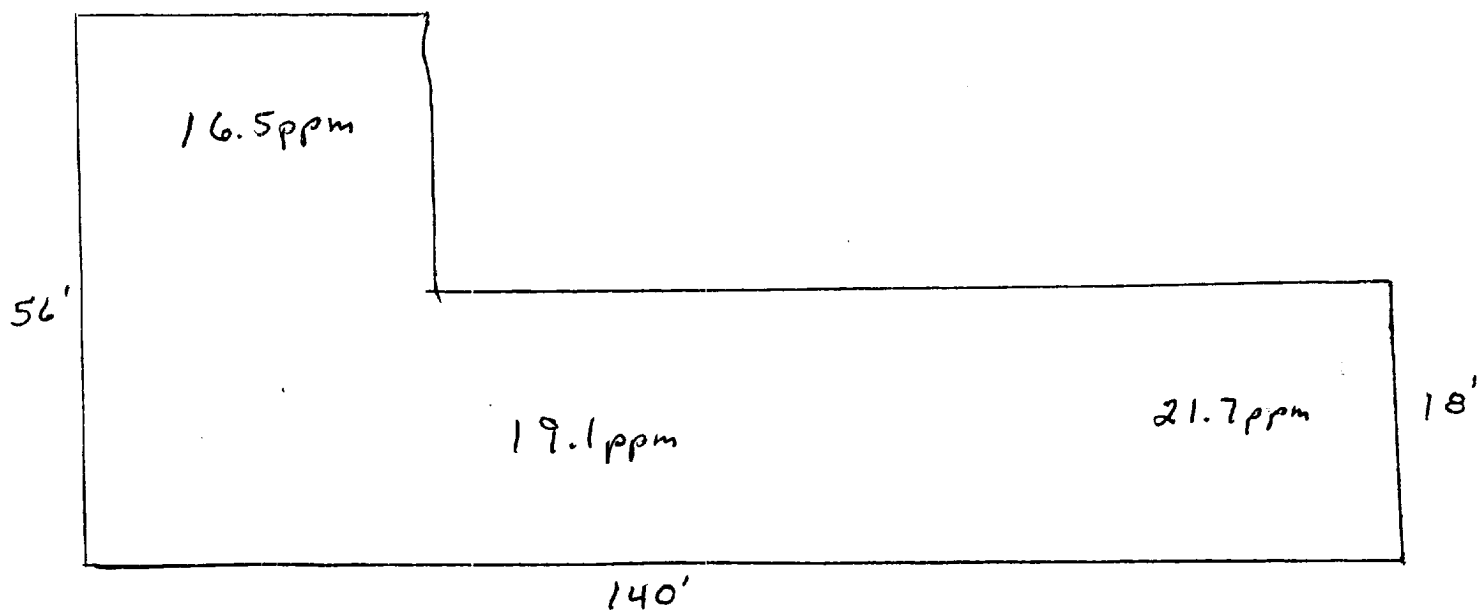
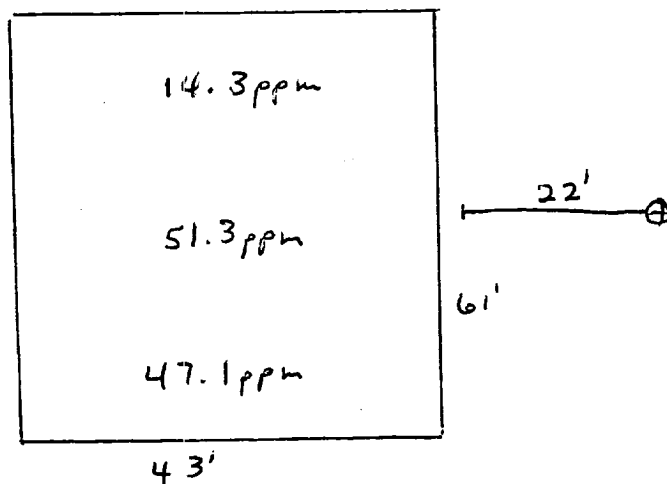
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

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TRICHARD 4
Sec-31 T-29N R-8W 46-L
Amoco

Landfarm DRAWING #2



2" to 12" Depth
Headspace 23.9
Sample # 9910051006

Not to Scale

**On Site Technologies, LTD.**

Date: 22-Oct-99

CLIENT: PNM - Public Service Company of NM
Project: Pritchard #4 & Reid #20 Landfarms
Lab Order: 9910010

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.

Analytical Comments for Method BTEX_S, SAMPLE 9910010-03A; Reid #20 DH LF: The reported result for m,p-Xylene, 810 ug/Kg, has the attached qualifier E - Value above quantitation range. Upon re-analysis for confirmation within the calibration range it was observed that the sample had lost volatiles due to volatilization and/or degradation. Therefore the original analysis is reported with the respective qualifier for m,p-Xylene.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Oct-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Pritchard #4 LF #2
Work Order:	9910010	Client Sample ID:	9910051006; 6pt Comp
Lab ID:	9910010-01A	Matrix:	SOIL
Project:	Pritchard #4 & Re:d #20 Landfarms	Collection Date:	10/5/99 10:06:00 AM
		COC Record:	7658

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	64	25		mg/Kg	1	10/12/99

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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