

District I
P.O. Box 1900, 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

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
NOV 12 1998
OIL CON. DIV.
DIST. 3

Operator: PNM Gas Services (Cross Timbers) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Gallegos #7

Location: Unit C Sec 34 T 26 N R 11 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other

Land Type: BLM ☐ State ☐ Fee ☐ Other Navajo

Pit Location: Pit dimensions: length 21 width 21 depth 3

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 120'

Direction from reference: 60 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) 0

(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) 10

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

RANKING SCORE (TOTAL POINTS): 10

Gallegos #7

Date Remediation Started: 6/10/98

Date Completed: 6/10/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 403

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 353

Other 50 yds. of clean overburden.

Remediation Location: Onsite ☒

Offsite

(i.e., landfarmed onsite, name and location of offsite facility)

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Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 31' X 27' X 13' 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.

*** Solid sandstone rock encountered at 13'. See attached risk analysis and lab analysis form.

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 13'

Sample date 6/10/98 Sample time 2:55:00 PM

Sample Results

Benzene (ppm) 1.2000

Total BTEX (ppm) 94.1000 ***

Field headspace (ppm)

TPH (ppm) 82.00 Method 8015A

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 October 29, 1998

SIGNATURE Maureen GannonPRINTED NAME Maureen Gannon
AND TITLE Project Manager



Environmental Services

Well Name:	Gallegos #7
Well Legals:	Unit C, Sec 34, T26N, R11W
Pit Type:	Dehydrator
Horizontal Distance to Surface Water:	200 feet to 1,000 feet
Groundwater Depth:	Greater than 100 feet

RISK ANALYSIS

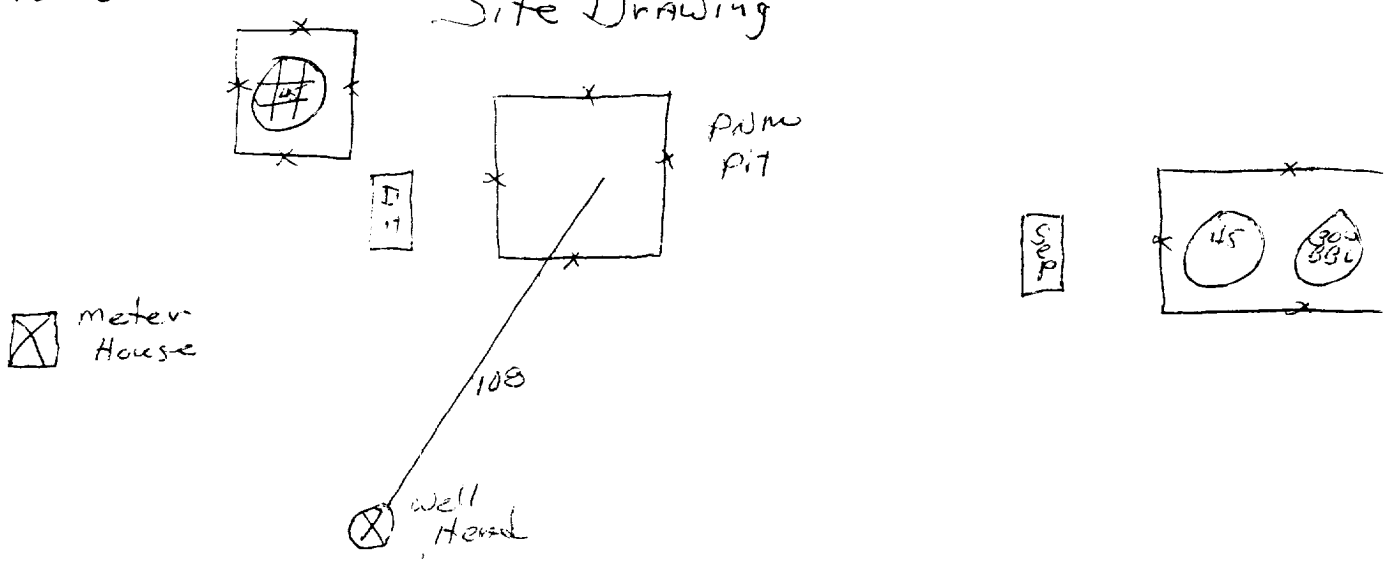
PNM requests closure of their former pit on the Gallegos #7 well site using a limited risk analysis based on the following conditions:

1. Groundwater is estimated to be at a depth of 102 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" river. (Reference: Huerfano Trading Post NW, NM topographic map.)
2. The site is not located within 200 feet of a domestic water well.
3. PNM excavated 403 cubic yards of soil from the former pit. Subsurface lateral contamination has been remediated (see attached analytical results). Source removal minimizes the possibility of surface water contamination.
4. Sandstone rock was encountered at 13 feet below ground surface. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is unlikely.
5. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the Gallegos #7 well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 800 pits.

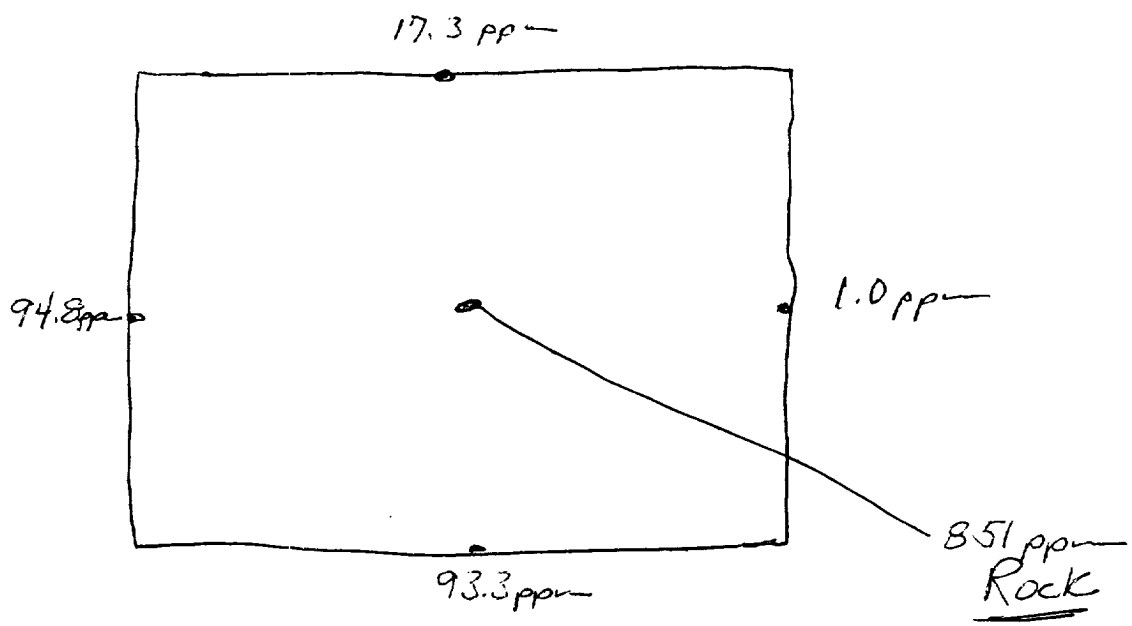
Allegos #7
Sec 34 T26N R11W Unit C
Cross Timbers

Site Drawing



Excavation Drawing

31'x27'x13'



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Jun-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9806036

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: 17-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Gallegos #7
Work Order:	9806036	Client Sample ID:	9806101455; Grab
Lab ID:	9806036-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/10/98 2:55:00 PM
		COC Record:	7182

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	82	25		mg/Kg	1	6/15/98
BTEX		SW8020A				Analyst: DC
Benzene	1200	500		µg/Kg	500	6/13/98
Toluene	27000	1000		µg/Kg	500	6/13/98
Ethylbenzene	6900	500		µg/Kg	500	6/13/98
m,p-Xylene	46000	1000		µg/Kg	500	6/13/98
o-Xylene	13000	500		µg/Kg	500	6/13/98

94100
94.100 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: 17-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Gallegos #7
Work Order:	9806036	Client Sample ID:	9806101456; 5pt. Composite
Lab ID:	9806036-03A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/10/98 2:56:00 PM
		COC Record:	7182

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	31	25		mg/Kg	1	6/15/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	2		µg/Kg	2	6/13/98
Toluene	5.2	4		µg/Kg	2	6/13/98
Ethylbenzene	23	2		µg/Kg	2	6/13/98
m,p-Xylene	190	4		µg/Kg	2	6/13/98
o-Xylene	110	2		µg/Kg	2	6/13/98

328.2
• 3282 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	Sur: - Surrogate

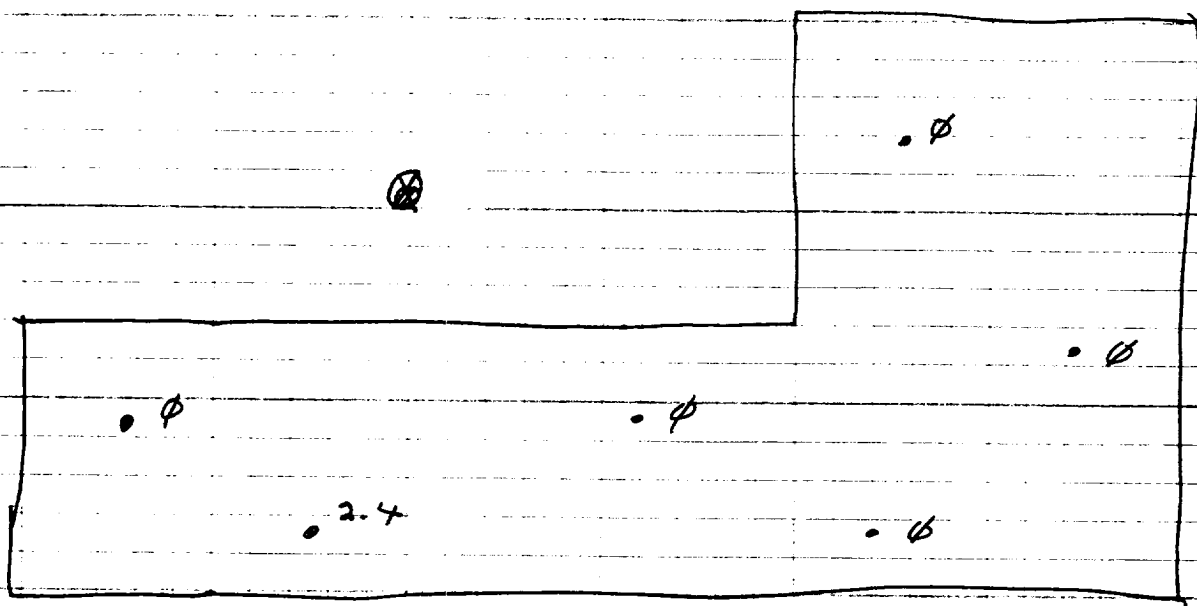
1 of 1

Gallegos #7
Cross Timbers
Sec. 34, 26 N, 11 W, 0

7/2/98

Land Farm:

403 yards



9807020730

2"-12" depth

Soil vapor head space = 21.9 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Jul-98

CLIENT: PNM - Public Service Company of NM
Project: Landfarms
Lab Order: 9807007

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: 10-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Gallegos #7
Work Order:	9807007	Client Sample ID:	9807020730; 6pt. Comp
Lab ID:	9807007-01A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	7/2/98 7:30:00 AM
		COC Record:	7310

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	62	25		mg/Kg	1	7/8/98

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

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