

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

District II
P.O. Drawer DD, Aztec, NM 88221

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

King & Faust
OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

FEB 9 8 1999

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
NOV 12 1998

OIL CON. DIV.
DIST. 3

Approved
Operator: PNM Gas Services (Conoco) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Gallegos #3

Location: Unit D Sec 33 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 20 ' width 20 ' depth 4 '

(Attach diagram) Reference: wellhead ☒ other _____

Footage from reference: 102'

Direction from reference: 45 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)	<u>10</u>
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	

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)	<u>0</u>
	No	(0 points)	

Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)	<u>10</u>
	200 feet to 1,000 feet	(10 points)	
	Greater than 1,000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS): 20

Gallegos #3

Date Remediation Started: 6/11/98

Date Completed: 6/11/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 187

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 167

Other 20 yds. of clean overburden.

Remediation Location: Onsite ☒ Offsite

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

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OIL CON. DIV.
DIST. 3

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 22' X 23' 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 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 10'

Sample date 6/11/98 Sample time 12:53:00 PM

Sample Results

Benzene (ppm) 0.4600

Total BTEX (ppm) 71.1600 ***

Field headspace (ppm)

TPH (ppm) 170.00 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 Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager



Environmental Services

Well Name:	Gallegos #3
Well Legals:	Unit D, Sec 33, T26N, R11W
Pit Type:	Dehydrator
Horizontal Distance to Surface Water:	200 feet to 1,000 feet
Groundwater Depth:	Greater than 100 feet

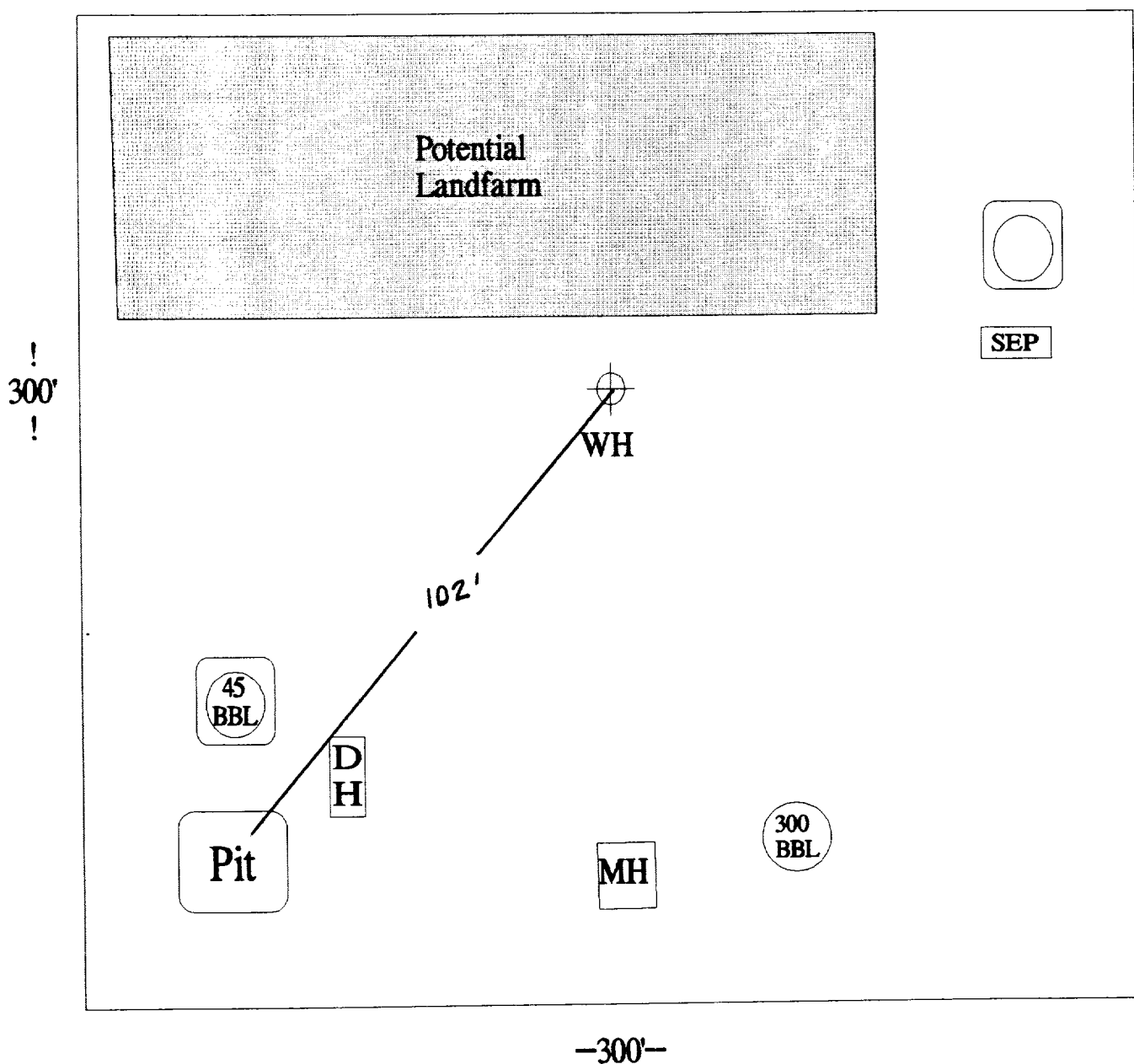
RISK ANALYSIS

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

1. Groundwater is estimated to be at a depth of 68 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" river. (Reference: Carson Trading Post, NM topographic map.)
2. The site is not located within 200 feet of a domestic water well and is not within 1,000 feet of any other water source.
3. PNM excavated 187 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 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.
5. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the Gallegos #3 well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 800 pits.

Gallegos #3
AMOCO
Lease # I-149-IND-7971
(D)-33-26N-11W
San Juan County



OFF: (505) 325-5667

ON SITE

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

Date: 22-Jun-98

CLIENT: PNM - Public Service Company of NM

Project: Gallegos #3

Lab Order: 9806048

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: 22-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Gallegos #3
Work Order:	9806048	Client Sample ID:	9806111253; Bottom
Lab ID:	9806048-02A	Matrix:	SOIL
Project:	Gallegos #3	Collection Date:	6/11/98 12:53:00 PM
		COC Record:	5234

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	170	25		mg/Kg	1	6/17/98
BTEX		SW8020A				Analyst: DC
Benzene	460	250		µg/Kg	250	6/14/98
Toluene	16000	500		µg/Kg	250	6/14/98
Ethylbenzene	4700	250		µg/Kg	250	6/14/98
m,p-Xylene	39000	500		µg/Kg	250	6/14/98
o-Xylene	11000	250		µg/Kg	250	6/14/98

71160
71.160 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

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Gallegos #3
Work Order:	9806048	Client Sample ID:	9806111245; Walls
Lab ID:	9806048-01A	Matrix:	SOIL
Project:	Gallegos #3	Collection Date:	6/11/98 12:45:00 PM
		COC Record:	5234

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	42	25		mg/Kg	1	Analyst: HR 6/17/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	1		µg/Kg	1	6/14/98
Toluene	ND	2		µg/Kg	1	6/14/98
Ethylbenzene	ND	1		µg/Kg	1	6/14/98
m,p-Xylene	ND	2		µg/Kg	1	6/14/98
o-Xylene	ND	1		µg/Kg	1	6/14/98

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

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Gallegos #3

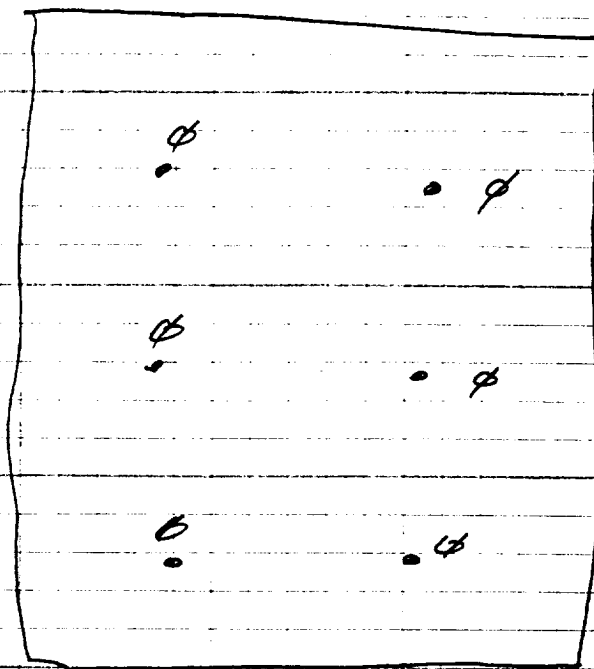
7/2/98

Conoco

Sec. 33, 26N, 11W, D

Land farm:

187 yards



9807020930

2"-12" depth

soil vapor head space = 13.3 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 #3
Work Order:	9807007	Client Sample ID:	9807020930; 6pt. Comp
Lab ID:	9807007-05A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	7/2/98 9:30:00 AM
		COC Record:	7310

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	46	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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