

District I
P.O. Box 1980, Farmington, NM 88221
District II
P.O. Drawer DD, Artesia, NM 88221
District III
1000 Rio Brazos Rd, Aztec, NM 87410

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

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
STATE OFFICE

Approved

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: Canyon #19

Location: Unit P Sec 2 T 25N R 11W County San Juan

Pit Type: Separator ☐ Dehydrator ☐ Other Abandoned pit.

Land Type: BLM ☐ State ☐ Fee ☐ Other Navajo

Pit Location: Pit dimensions: length 22 width 20 depth 3

(Attach diagram) **Reference:** wellhead ☒ other

Footage from reference: 81'

Direction from reference: 20 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)	<u>0</u>

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)	<u>0</u>

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)	<u>10</u>

RANKING SCORE (TOTAL POINTS): 10

Canyon #19

Date Remediation Started: 6/11/98

Date Completed: 6/11/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 94

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 94

Other

Remediation Location:

Onsite

☒

Offsite

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

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NOV 12 1998

Backfill Material Location:

General Description of Remedial Action:

OIL CON. DIV.
DIST. 3

Excavated contaminated soil to a pit size of 19' X 19' X 7' 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 7'

Sample date 6/11/98

Sample time 9:20:00 AM

Sample Results

Benzene (ppm) < 0.2500

Total BTEX (ppm) 43.4000

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)

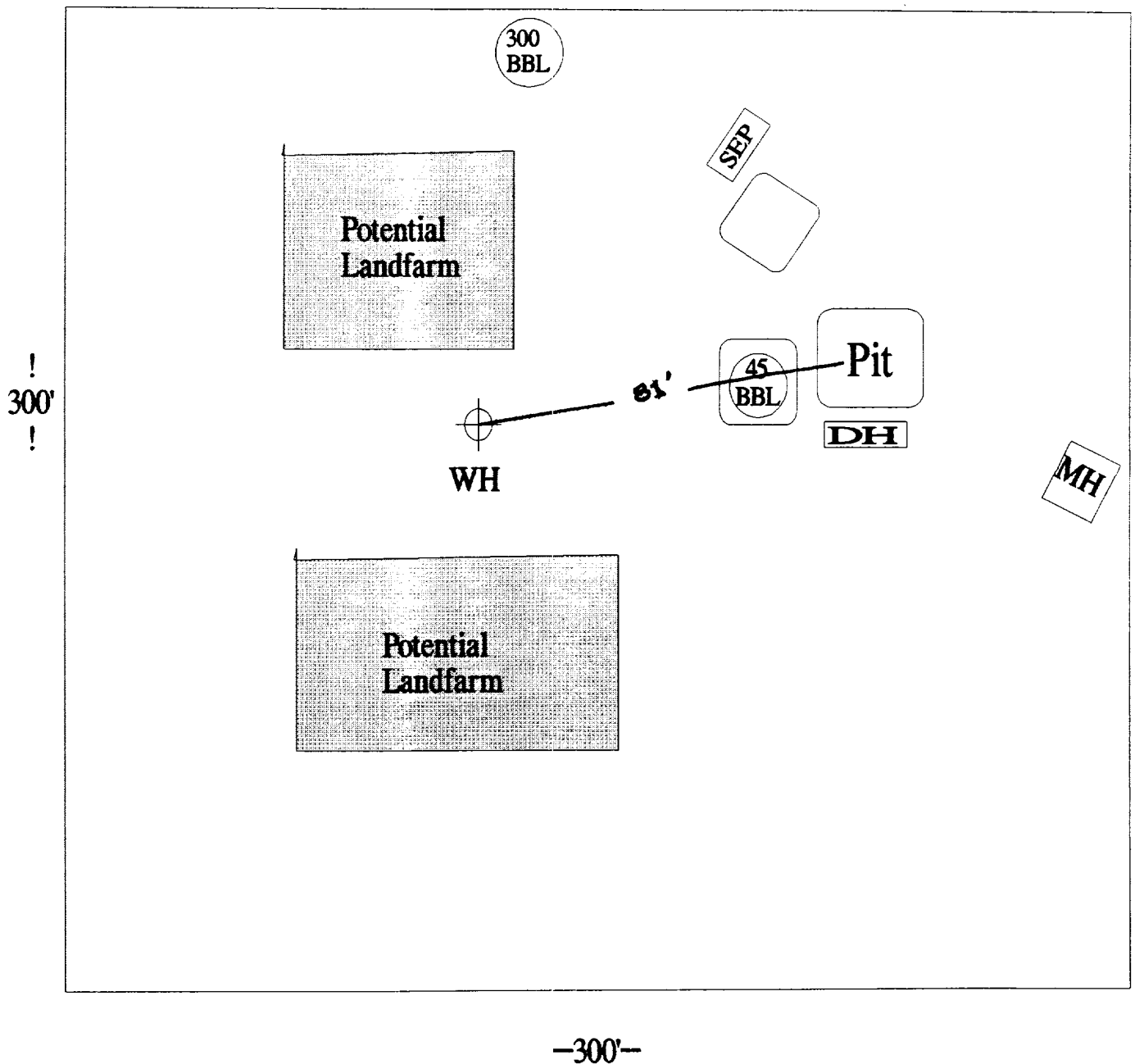
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE October 29, 1998

SIGNATURE

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Canyon #19
AMOCO
Lease # NM-8405
(P)-02-25N-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: Canyon #19

Lab Order: 9806049

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:	Canyon #19
Work Order:	9806049	Client Sample ID:	9806110920; Bottom
Lab ID:	9806049-01A	Matrix:	SOIL
Project:	Canyon #19	Collection Date:	6/11/98 9:20:00 AM
		COC Record:	5233

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	170	25		mg/Kg	1	Analyst: HR 6/17/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	250		µg/Kg	250	6/14/98
Toluene	8800	500		µg/Kg	250	6/14/98
Ethylbenzene	3600	250		µg/Kg	250	6/14/98
m,p-Xylene	26000	500		µg/Kg	250	6/14/98
o-Xylene	5000	250		µg/Kg	250	6/14/98

43400

43.4 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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Canyon #19
Work Order:	9806049	Client Sample ID:	9806110930; Walls
Lab ID:	9806049-02A	Matrix:	SOIL
Project:	Canyon #19	Collection Date:	6/11/98 9:30:00 AM
		COC Record:	5233

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	32	25		mg/Kg	1	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	7.6	2		µg/Kg	1	6/14/98
o-Xylene	7.7	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	Surr: - Surrogate

1 of 1

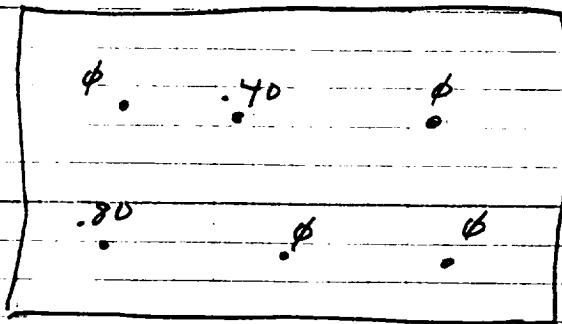
P.O. BOX 2606 • FARMINGTON, NM 87499

Canyon # 19
Cross Timbers
Sec. 2, 25N, 11W, P

7-2-98

Land Farm:

94 yards



9807020830

2" - 12"

Soil vapor head space = 11.2 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

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 10-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Canyon #19
Work Order:	9807007	Client Sample ID:	9807020830: 6pt. Comp
Lab ID:	9807007-03A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	7/2/98 8:30:00 AM
		COC Record:	7310

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	67	25		mg/Kg	1	7/8/98

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	Surr: - Surrogate

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