

OK

Denny S. Faust
DEPUTY OIL & GAS INSPECTOR
District I
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1000 Rio Brazos Rd, Aztec, NM 87410

FEB 08 1999

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

Approved

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Canyon #6

Location: Unit M Sec 11 T 25 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: 90'

Direction from reference: 20 Degrees ☒ East ☐ West of North ☒ South ☐

Depth to Ground Water:	Less than 50 feet	(20 points)	
(Vertical distance from contaminants to seasonal high water elevation of ground water)	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) :			<u>10</u>

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OIL CON. DIV
DIST. 3

Canyon #6

Date Remediation Started: 6/15/98 Date Completed: 6/15/98

Remediation Method: Excavation X Approx. Cubic Yard 656
(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 626
Other 30 yds clean overburden

Remediation Location: Onsite X - 126 Offsite 500 yds - Canyon #1. 10-25N-11W - Amoco.
(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 35' X 22' X 23' 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 21'

Sample date 6/15/98 Sample time 1:00:00 PM

Sample Results

Benzene (ppm) 0.0490

Total BTEX (ppm) 3.8090

Field headspace (ppm) _____

TPH (ppm) 28.00 Method 8015A

Vertical Extent (ft) _____ Risk Analysis form attached Yes ☐ No ☒

Ground Water Sample: Yes ☐ No ☒ (If yes, see attached Groundwater Site Summary Report)

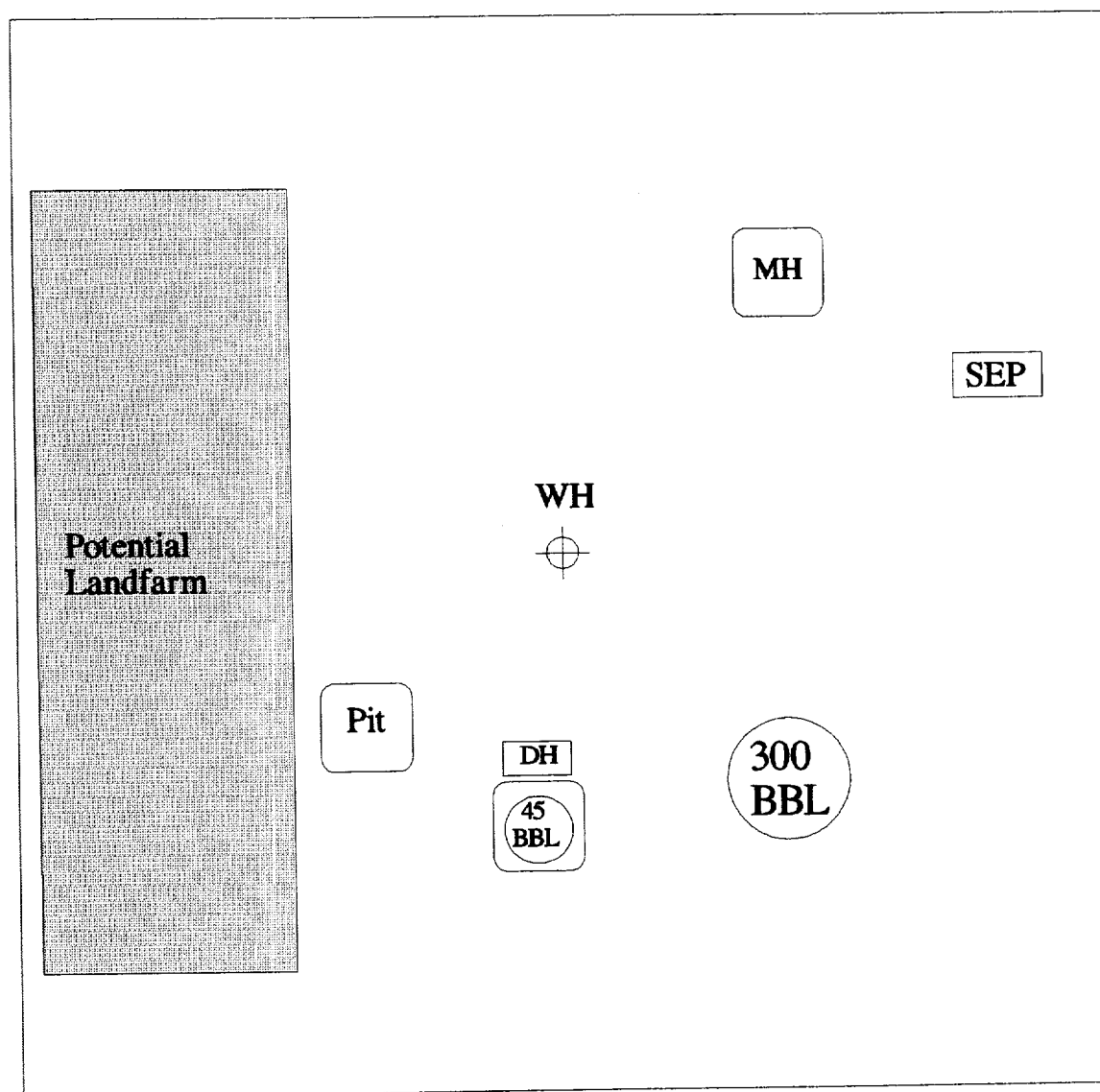
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE January 26, 1999

SIGNATURE Maureen Gannon

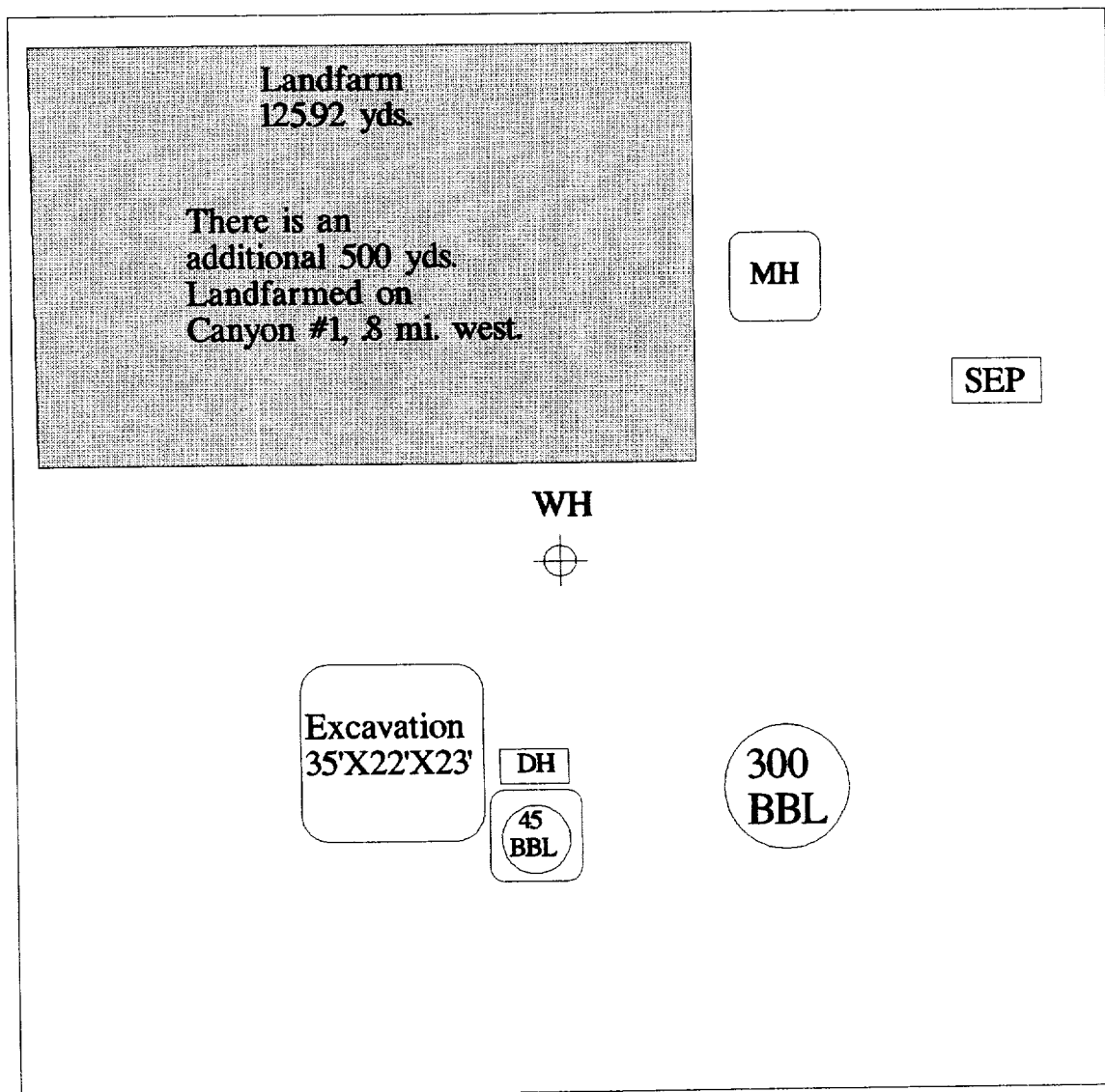
PRINTED NAME **Maureen Gannon**
AND TITLE **Project Manager**

Canyon #6
Cross Timbers Oper. Co.
Lease # NM-8405-N00-C-14-20-3611
(M)-11-25N-11W
San Juan County



240' X 160'

Canyon #6
Cross Timbers Oper. Co.
Lease # NM-8405-N00-C-14-20-3611
(M)-11-25N-11W
San Juan County



240' X 160'

OFF: (505) 325-5667

ON SITE

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

Date: 24-Jun-98

CLIENT: PNM - Public Service Company of NM

Project: Canyon #6

Lab Order: 9806062

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: 24-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Canyon #6
Work Order:	9806062	Client Sample ID:	9806151300; Bottom
Lab ID:	9806062-01A	Matrix:	SOIL
Project:	Canyon #6	Collection Date:	6/15/98 1:00:00 PM
		COC Record:	5236

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	28	25		mg/Kg	1	6/24/98
BTEX		SW8020A				Analyst: HR
Benzene	49	25		µg/Kg	25	6/19/98
Toluene	ND	50		µg/Kg	25	6/19/98
Ethylbenzene	290	25		µg/Kg	25	6/19/98
m,p-Xylene	2800	50		µg/Kg	25	6/19/98
o-Xylene	670	25		µg/Kg	25	6/19/98

3809
3.809 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

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OFF: (505) 325-5667

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 24-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Canyon #6
Work Order:	9806062	Client Sample ID:	9806151330; Walls
Lab ID:	9806062-02A	Matrix:	SOIL
Project:	Canyon #6	Collection Date:	6/15/98 1:30:00 PM
		COC Record:	5236

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/24/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	1		µg/Kg	1	6/18/98
Toluene	ND	2		µg/Kg	1	6/18/98
Ethylbenzene	ND	1		µg/Kg	1	6/18/98
m,p-Xylene	ND	2		µg/Kg	1	6/18/98
o-Xylene	ND	1		µg/Kg	1	6/18/98

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

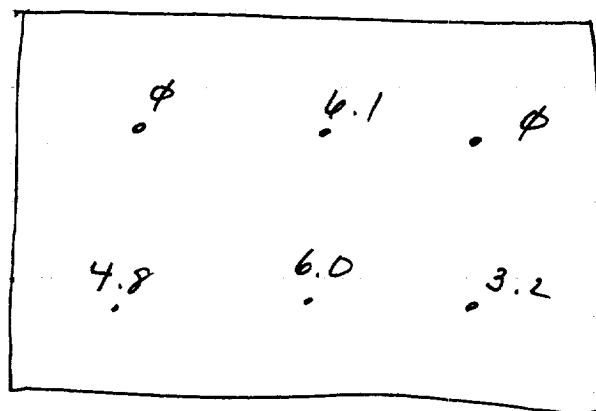
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Canyon #6
Cross Timbers
Sec. 11, 25N, 11W, M

7-2-98

Land Farm:

655 yards



⊗

980702 1000
2"-12" depth

soil vapor headspace = 30.6 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 10-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Canyon #6
Work Order:	9807007	Client Sample ID:	9807021000; 6pt. Comp
Lab ID:	9807007-06A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	7/2/98 10:00:00 AM
		COC Record:	7310

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	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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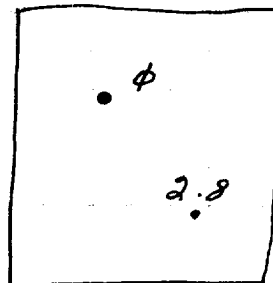
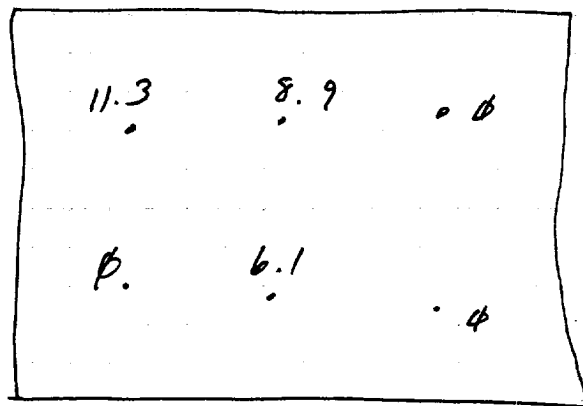
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Canyon # 6
Cross Timbers
Sec. 11, 25N, 11W, m

7/2/98

Landform : Canyon # 1
Cross Timbers
Sec. 10, 25N, 11W, 0
500 yds



9807021100
2"-12" dept)

soil vapor head space = 26.3 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:	Canyon #6 (#1)
Work Order:	9807007	Client Sample ID:	9807021100; 6pt. Comp
Lab ID:	9807007-07A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	7/2/98 11:00:00 AM
		COC Record:	7310

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