

District I
P.O. Box 99
Santa Fe, New Mexico 87505
District II
P.O. Box 99
Santa Fe, New Mexico 87505
District III
P.O. Box 99
Santa Fe, New Mexico 87505

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

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JUL 30 1999

OIL CON. DIV
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Greystone) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Cain #1E
Location: Unit I Sec 25 T 31 N R 13 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: 143'
Direction from reference: 20 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) 0
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Cain #1E

Date Remediation Started: 05/24/1999

Date Completed: 05/25/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 36

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 36

Other _____

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 18' X 18' X 3' 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 - pit bottom.

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 3'

Sample date 05/25/1999

Sample time 7:20:00 AM

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 18.6

TPH (ppm) 220.00

Method

8015B

Vertical Extent (ft) _____

Risk Analysis form attached Yes ☐ No ☒

Ground Water Sample:

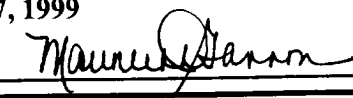
Yes ☐No ☒

(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

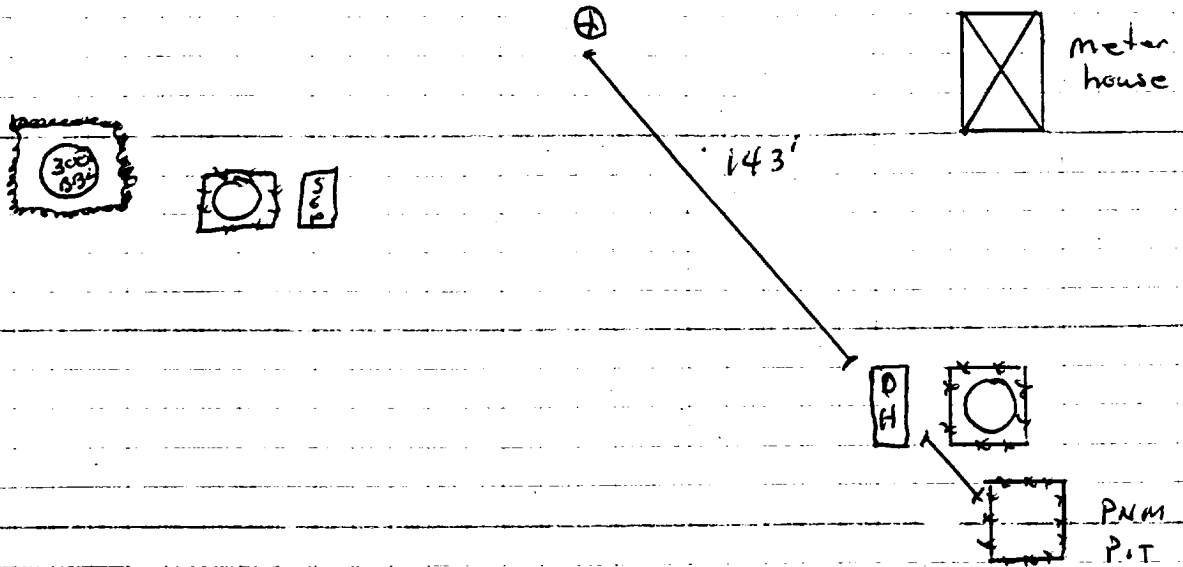
DATE July 27, 1999

SIGNATURE

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Graystone Energy
Sec. 25 T-31N R-13W 4L I

Site Drawing



Excavation Drawing

18X18X3 = 36 cu yds

North wall
Sample 2'
52.2 ppm

Headspace
Walls - 50.1 ppm
Bottom - 18.6 ppm

West wall
Sample 2'
33.9 ppm

East wall
Sample 2'
137 ppm

South wall
Sample 2'
17.4 ppm

Bottom Sample

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 08-Jun-99

CLIENT: PNM - Public Service Company of NM

Project: CAIN 1E & Senter #1M

Lab Order: 9905086

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: 08-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	CAIN 1E
Work Order:	9905086	Client Sample ID:	9905250720; 5pt. Bottom Comp
Lab ID:	9905086-02A	Matrix:	SOIL
Project:	CAIN 1E & Senter #1M	Collection Date:	5/25/99 7:20:00 AM
		COC Record:	7388

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	220	25		mg/Kg	1	6/2/99

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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- TECHNOLOGY: BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



Roy

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	CAIN 1E
Work Order:	9905086	Client Sample ID:	9905250715; 4pt. Wall Comp
Lab ID:	9905086-01A	Matrix:	SOIL
Project:	CAIN 1E & Senter #1M	Collection Date:	5/25/99 7:15:00 AM
		COC Record:	7388

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	200	25		mg/Kg	1	6/2/99

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

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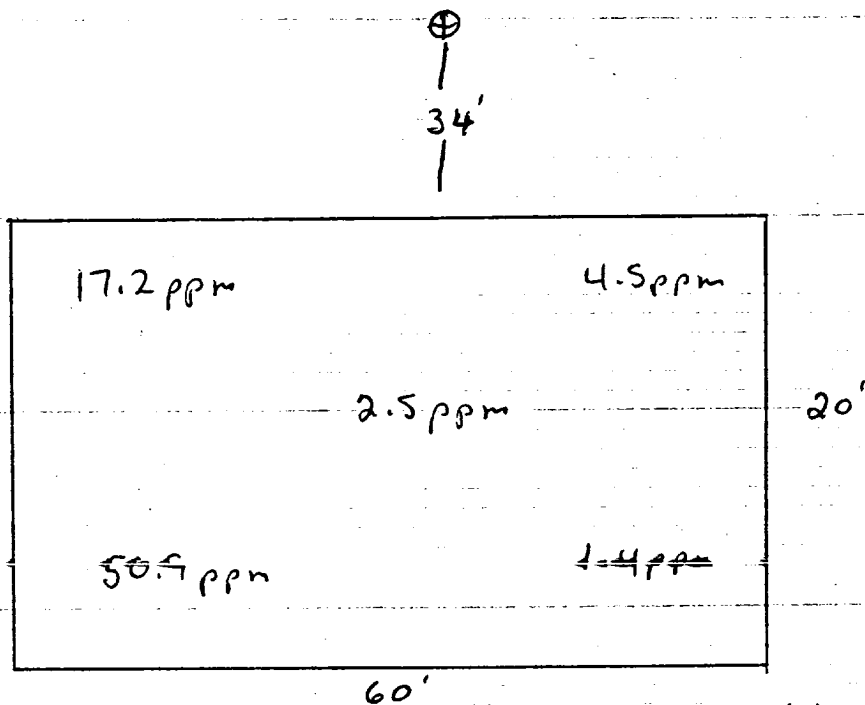
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

CAIN 1E
SEC-25 T-31N R-13W 4C-1
Greystone

LANDFARM DRAWING

App 36 cu yds



2" to 12" Depth
Headspace 51.7 ppm
Sample # 9907011354

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 19-Jul-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9907007

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: 19-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Cain #1E LF
Work Order:	9907007	Client Sample ID:	9907011354; 5pt. Composite
Lab ID:	9907007-04A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/1/99 1:54:00 PM
		COC Record:	7730

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	3610	25		mg/Kg	1	7/15/99

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
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- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

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