

District I
P.O. Box 1980, 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 A COPY TO
SANTA FE OFFICE

RECEIVED
APR 29 1999
OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Energex) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: McCroden #1

Location: Unit M Sec 3 T 25N R 3W County Rio Arriba

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: 60'

Direction from reference: 80 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>0</u>

RANKING SCORE (TOTAL POINTS): 0

McCroden #1

Date Remediation Started: 1/20/99 Date Completed: 1/20/99

Remediation Method: Excavation X Approx. Cubic Yard 214
(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 214
Other _____

Remediation Location: Onsite X 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 23' X 21' X 12' 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 12'

Sample date 1/20/99 Sample time 8:00:00 AM

Sample Results

Benzene (ppm) < 0.0010

Total BTEX (ppm) < 0.0070

Field headspace (ppm) _____

TPH (ppm) 27.00 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 April 27, 1999

SIGNATURE Maureen Gannon

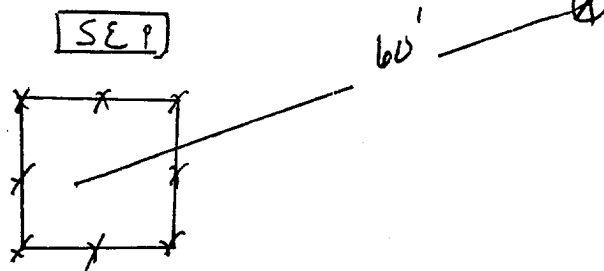
PRINTED NAME **Maureen Gannon**
AND TITLE **Project Manager**

McCroden #1
Emergen
Sec. 3, 25N, 3W, m

1-20-99

site drawing:

↑
N

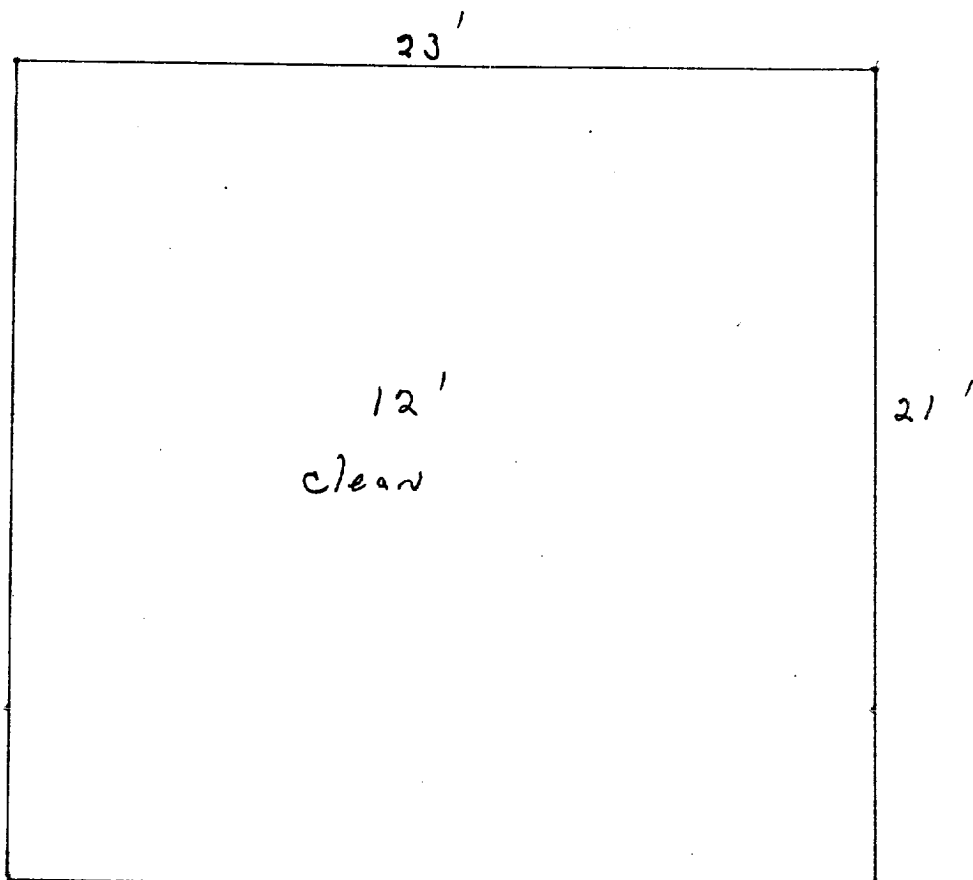
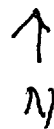


not to scale

McCroden #1
Evergreen
Sec. 3, 25N. 3W. m

1-20-99

End of excavation:



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 29-Jan-99

CLIENT: PNM - Public Service Company of NM
Project: McCroden #1
Lab Order: 9901013

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: 29-Jan-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	McCroden #1
Work Order:	9901013	Client Sample ID:	9901200800; Bottom @ 12ft
Lab ID:	9901013-01A	Matrix:	SOIL
Project:	McCroden #1	Collection Date:	1/20/99 8:00:00 AM
		COC Record:	7458

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	27	25		mg/Kg	1	1/28/99
BTEX		SW8021B				Analyst: HR
Benzene	ND	1		µg/Kg	1	1/25/99
Toluene	ND	2		µg/Kg	1	1/25/99
Ethylbenzene	ND	1		µg/Kg	1	1/25/99
m,p-Xylene	ND	2		µg/Kg	1	1/25/99
o-Xylene	ND	1		µg/Kg	1	1/25/99

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

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Jan-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	McCroden #1
Work Order:	9901013	Client Sample ID:	9901200830; Walls @ 8ft
Lab ID:	9901013-02A	Matrix:	SOIL
Project:	McCroden #1	Collection Date:	1/20/99 8:30:00 AM
		COC Record:	7458

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	1/28/99
BTEX		SW8021B				Analyst: HR
Benzene	ND	1		µg/Kg	1	1/25/99
Toluene	ND	2		µg/Kg	1	1/25/99
Ethylbenzene	ND	1		µg/Kg	1	1/25/99
m,p-Xylene	ND	2		µg/Kg	1	1/25/99
o-Xylene	ND	1		µg/Kg	1	1/25/99

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

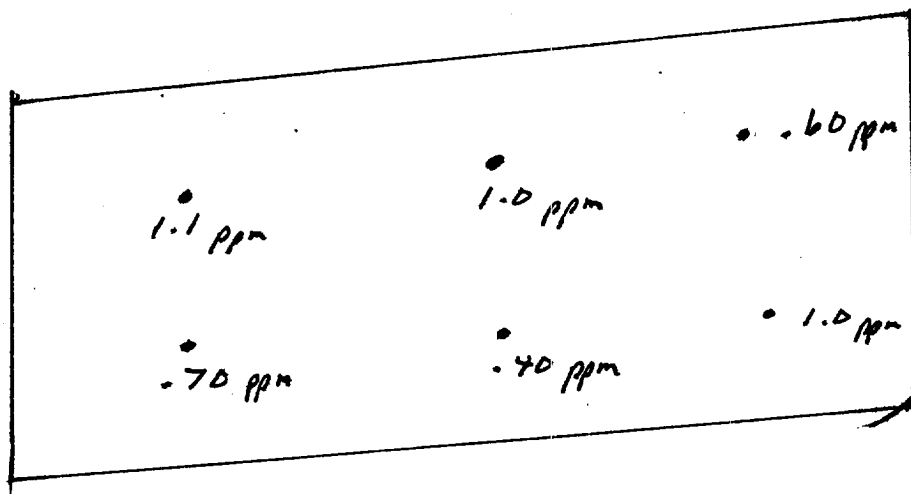
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

McCrudden #1
Energen Resources
Sec. 3, 25N, 3W

3/24/99

Land Farm: On location
Approximately 214 yards

↑
N



⊗ well head

2"-12" depth

Sample # 9903240935

soil vapor headspace reading = 7.9 ppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Mar-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	McCroden #1
Work Order:	9903054	Client Sample ID:	9903240935
Lab ID:	9903054-04A	Matrix:	SOIL
Project:	Landfills	Collection Date:	3/24/99 9:35:00 AM
		COC Record:	7552

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: DC 3/25/99

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

F - Value above quantitation range

Surr. - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -