

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 1 COPY TO
SANTA FE OFFICE

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OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Burlington)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Hare #18 East			
Location:	Unit <u>H</u>	Sec <u>10</u>	T <u>29 N</u> R <u>10 W</u> County <u>San Juan</u>
Pit Type:	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other _____
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other _____
Pit Location: Pit dimensions: length <u>18</u> ' width <u>18</u> ' depth <u>2</u> '			
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other _____		
Footage from reference: <u>180</u> '			
Direction from reference: <u>60</u> Degrees <input checked="" type="checkbox"/> East <input checked="" type="checkbox"/> North <input type="checkbox"/> West <input type="checkbox"/> 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):			<u>0</u>

Hare #18 East

Date Remediation Started: 06/10/1999

Date Completed: 06/10/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 89

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 49

Other 40 cu yds overburden.

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 20' X 20' X 6' 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 - bottom.

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

Sample depth 6'

Sample date 06/10/1999

Sample time 8:31:00 AM

Sample Results

Benzene (ppm) < 0.5

Total BTEX (ppm) 34.21

Field headspace (ppm)

TPH (ppm) 140.00

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 October 28, 1999

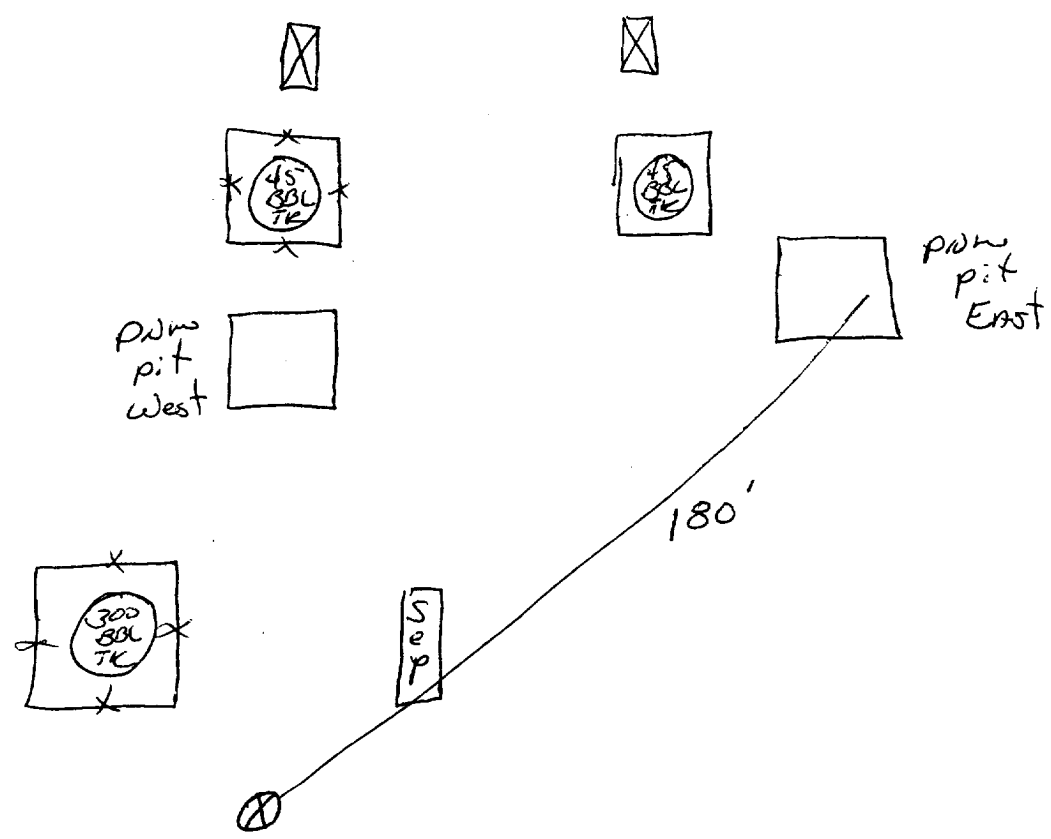
SIGNATURE

Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Sec. 10 T29N R10W Unit 14
Burlington

Site Drawing



Sec. 10 T29N R10W Unit H
Burlington

Excavation Drawing

20' x 20' x 6'

North Wall
Sample 5'
11.3 ppm

Bottom
Sample 6'
Spt. Composite
1027 ppm

West Wall
Sample 5'
9.0 ppm

East Wall
Sample 5'
50.1 ppm

South Wall
Sample 5'
3.8 ppm

Field headspace: 34.0 (walks)

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jun-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9906046

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: 28-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hare 18 East
Work Order:	9906046	Client Sample ID:	9906100831; 5pt. Bottom Comp
Lab ID:	9906046-04A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/10/99 8:31:00 AM
		COC Record:	7029

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C10-C28	140	25		mg/Kg	1	6/21/99
AROMATIC VOLATILES BY GC/PID		SW8021B				
Benzene	ND	500		µg/Kg	500	6/14/99
Toluene	ND	1000		µg/Kg	500	6/14/99
Ethylbenzene	2400	500		µg/Kg	500	6/14/99
m,p-Xylene	31000	1000		µg/Kg	500	6/14/99
o-Xylene	810	500		µg/Kg	500	6/14/99

34210
34.210 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



RD

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hare 18 East
Work Order:	9906046	Client Sample ID:	9906100830; 4pt. Wall Comp
Lab ID:	9906046-03A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/10/99 8:30:00 AM
		COC Record:	7029

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/21/99

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

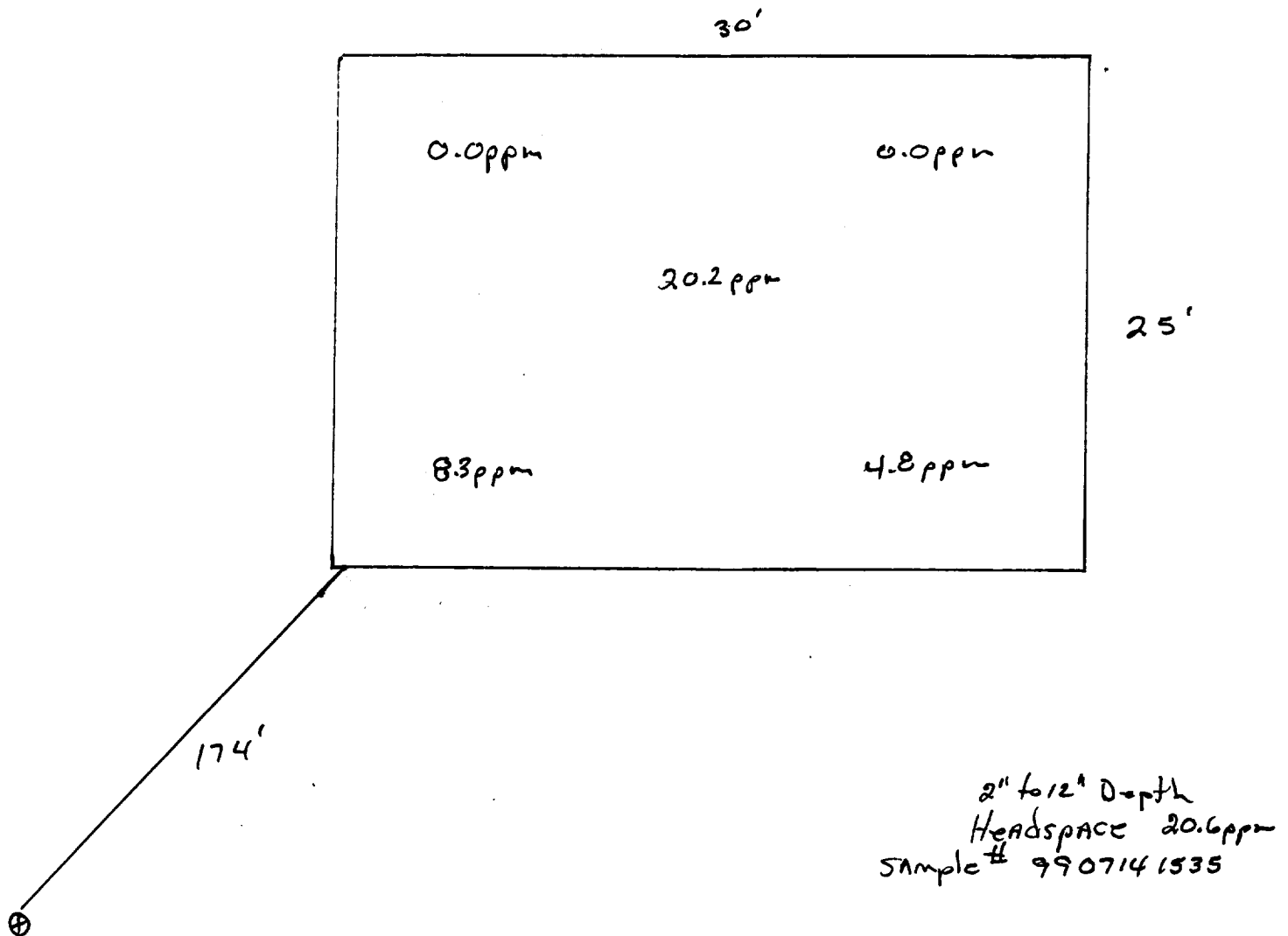
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HARE 10 EAST
SEC. 10 T. 29N R. 10W UCH
Burlington

Land Farm Drawings

App 49 cu yds



Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Jul-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9907036

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: 30-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hare 18 East LF
Work Order:	9907036	Client Sample ID:	9907141535; 5pt Comp
Lab ID:	9907036-09A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/14/99 3:35:00 PM
		COC Record:	7491

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/29/99

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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