

ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL -GAS
ADMINISTRATION

P.O. BOX 507
DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Jicarilla G-8E Drip

Location: Unit: I Sec. 2 T. 26 N R. 5 W County Rio Arriba

Pit Type: Separator Dehydrator Other Line Drip

Land Type: Jicarilla Apache

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

(Attach diagram) Reference: wellhead other Drip Riser

Footage from reference: 18'

Direction from reference: Due Degrees East of North X
West of 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)

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)

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)

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downgradient streams having a width of at least 10 feet)

Less than or equal to 100 feet	(10 points)
Greater than 100 feet	(0 points)

Distance to Nearest Lake, Playa, or Watering

Pond:

(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)

Less than or equal to 100 feet	(10 points)
Greater than 100 feet	(0 points)

RANKING SCORE (TOTAL POINTS) :

Date Remediation Started:

4/30/98

Date Completed:

6/10/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

544

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

544

Other _____

Remediation Location:

Onsite _____

Offsite

Jicarilla G-8E location

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

General Description of Remedial Action:

Removed contaminated soil from all four side walls and pit bottom as to get a below 100 ppm head reading. Final excavation: 28' X 25' X 21'.

Ground Water Encountered:

No

X

Yes _____

Depth _____

Final Pit Closure

Sampling:

Sample Location

North, East, South, West side walls and pit bottom

Sample depth

21'

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

Sample date

5/4/98

Sample time

1:515

Sample Results

Soil: Benzene (ppm) _____

Water: Benzene (ppb) _____

Total BTEX (ppm) _____

Toluene (ppb) _____

Field headspace (ppm)

19.6

Ethylbenzene (ppb) _____

TPH

#21/0 ^{ppm}

Method

8015

Total Xylenes (ppb) _____

Ground Water Sample:

Yes _____

No

X

(If yes, attach sample results)

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

DATE

5/13/98

PRINTED NAME

Roy Burnham

SIGNATURE

Roy Burnham

AND TITLE

Environmental Technician II

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES

X

NO _____

(REASON): _____

SIGNED:

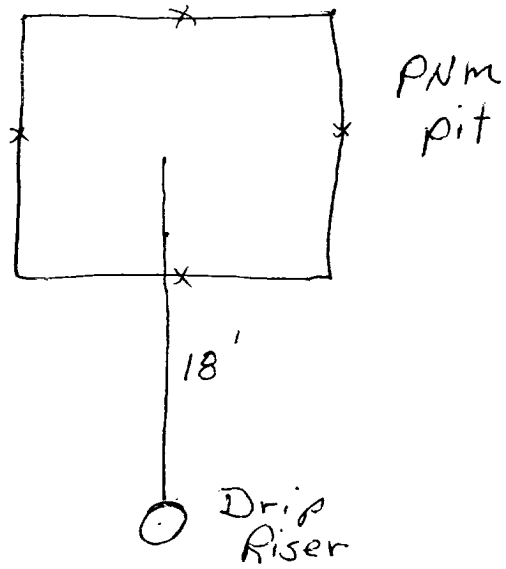
Kenn C. Mamm

DATE:

5-13-98

JICARILLA G. OL. CO.
Sec. 2 T26N R5W Unit I
WFS

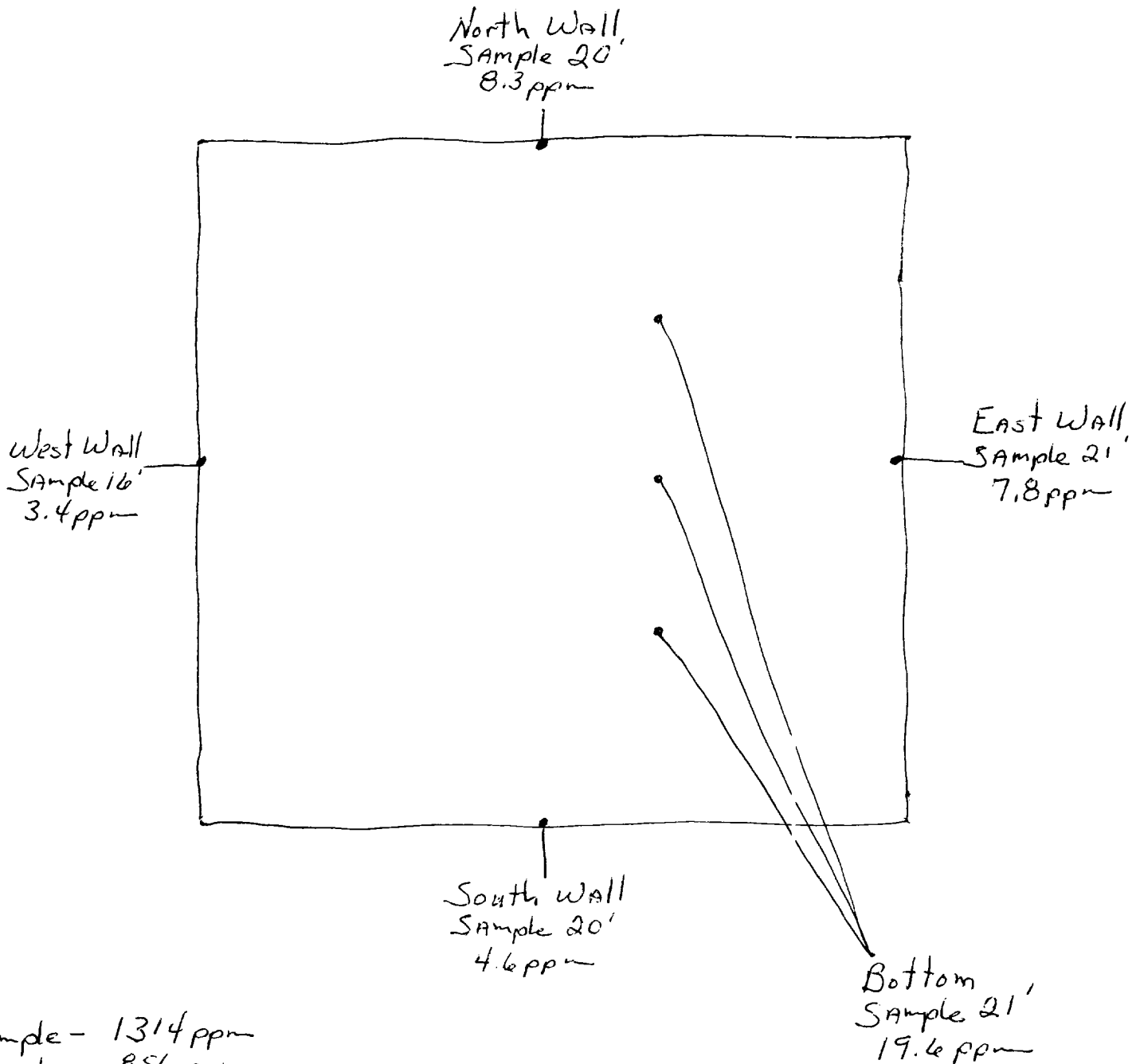
Site Drawing



JICARILLA G-02 Drip
Sec. 2 T26N R5W Unit I
WFS

28'x25'x21'

Excavation Drawing



5' Sample - 1314 ppm
10' Sample - 856 ppm
15' Sample - 322 ppm
20' Sample - 127 ppm
21' Sample - 19.4 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 12-May-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9805019

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: 12-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla G-8E Drip
Work Order:	9805019	Client Sample ID:	9805041515; 3pt. Comp. Bottom
Lab ID:	9805019-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	5/4/98 3:15:00 PM
		COC Record:	7144

Parameter	Result	PQL	Qual	Units	D.F.	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	5/11/98

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

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 12-May-98

Client: PNM - Public Service Company of NM
Work Order: 9805019
Lab ID: 9805019-01A **Matrix:** SOIL
Project: PNM Pit Remediation

Client Sample Info: Jicarilla G-8E Drip
Client Sample ID: 9805041514; 4pt. Comp. Walls
Collection Date: 5/4/98 3:14:00 PM
COC Record: 7144

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	42	25		mg/Kg		5/11/98

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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TRAIL BLAZING BLENDING INDUSTRIES WITH THE L.L.

JICARILLA APACHE TRIBE
ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

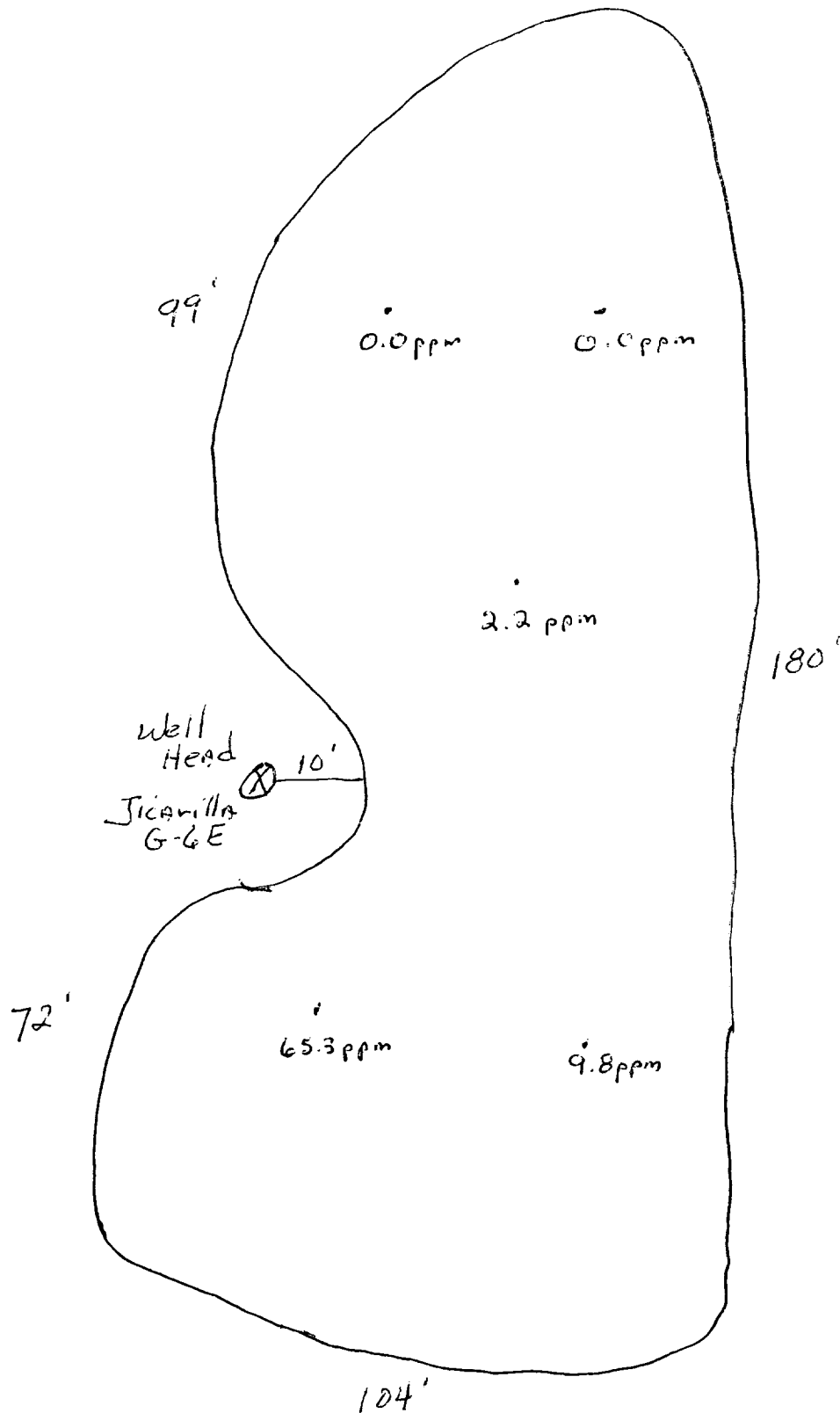
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NATURAL
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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (WFS) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jicarilla G-8E Drip	
Location: Unit: I Sec. 2 T. 26 N R. 5 W County Rio Arriba	
Land Type: Jicarilla Apache	
Date Remediation Started: 4/30/98 Date Completed: 6/1/98	
Remediation Method: Landfarmed X Approx. cubic yards 544	
Composted _____	
Other _____	
Depth to Ground Water: (pts.) 0	Final Closure Sampling: Sampling Date: 5/28/98 Time 1241 Sampling Results: Field Headspace (ppm) 65.3 TPH (ppm) ND Method 8015 Other _____
Distance to an Ephemeral Stream: (pts.) 0	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) 0	
Wellhead Protection Area: (pts.) 0	
Distance to Surface Water: (pts.) 0	
Ranking Score (Total Points): 0	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE 6/8/98 PRINTED NAME Roy Burnham	
SIGNATURE Roy Burnham AND TITLE Environmental Technician II	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES X NO (REASON) use as Backfill	
SIGNED: [Signature] DATE: 6-10-98	

JICARILLA G-DE Drip
Sec. 2 T26N R5W Unit I
WFS

Land farm Drawing



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 03-Jun-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Landfarms
Lab Order: 9805086

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: 03-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla G-8E Drip Landfarm
Work Order:	9805086	Client Sample ID:	9805281241; 5pt. Comp.
Lab ID:	9805086-04A	Matrix:	SOIL
Project:	Jicarilla Landfarms	Collection Date:	5/28/98 12:41:00 PM
		COC Record:	7179

Parameter	Result	PQL	Qual	Units	D.F.	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/1/98

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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