

Denny S. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

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

Approved

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-1 DRIP

Location: Unit: L Sec. 1 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 19 width 19 depth 3

(Attach diagram) Reference: wellhead other DRIP COLUMN

Footage from reference: 21'

Direction from reference: DUE Degrees X East of North
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)

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: 4/22/98 Date Completed: 6/10/98

Remediation Method: Excavation X Approx. Cubic Yards 168

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 168

Other _____

Remediation Location: Onsite _____ Offsite JICARILLA G-1

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

General Description of Remedial Action:

Removed contaminated soil from ALL four side walls as to get a below 100 ppm head space reading. Bottom was solid sandstone rock.
EXCAVATION SIZE 21'X18'X12'

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling: Sample Location North, East, South, west Side walls AND bottom of pit

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

Sample depth 12'

Sample date 4/23/98 Sample time 1006 hrs

Sample Results

Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 98.7 Ethylbenzene (ppb) _____

TPH 57 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 5/1/98 PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham AND TITLE Environmental Technician II

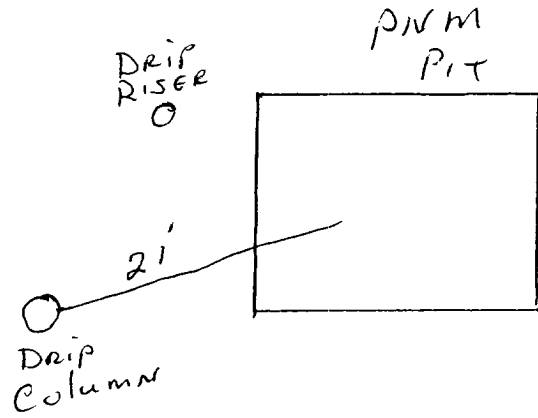
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Ker-C Mammill DATE: 5-13-98

JICARILLA G-1 Drip
Sec 1 T 26N R 5W
WFS

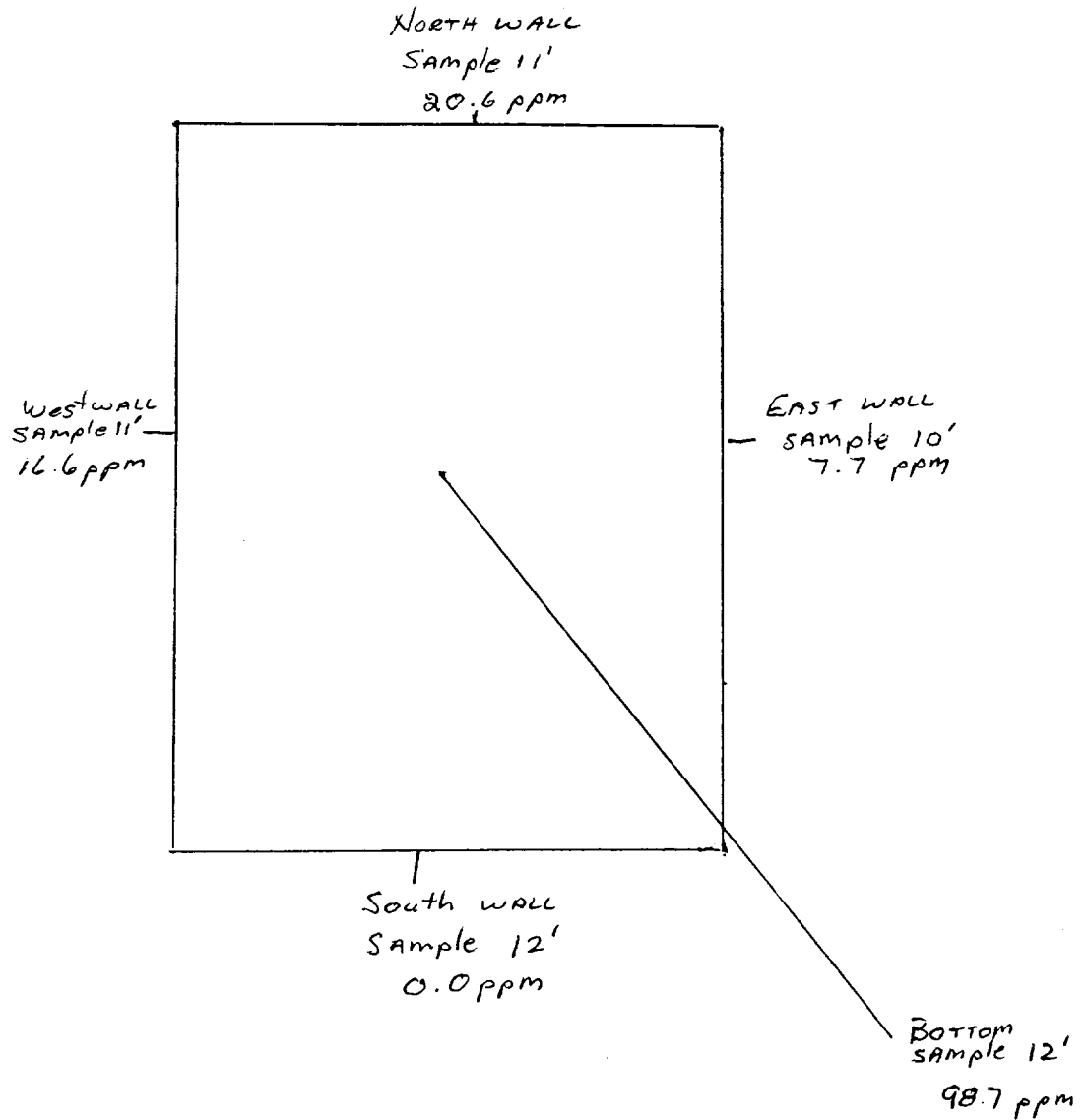
SITE DRAWING



JICARILLA U 1 UNIT
SEC. 1 T26N R5W UNIT 4
WFS

21X18X12

EXCAVATION DRAWING



5' 1444 ppm
10' 584 ppm
12' 98.7 ppm Rock

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 29-Apr-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla G-1

Lab Order: 9804039

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-Apr-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla G-1 Drip
Work Order:	9804039	Client Sample ID:	9804231006; 3pt Bottom
Lab ID:	9804039-04A	Matrix:	SOIL
Project:	Jicarilla G-1 Drip	Collection Date:	4/23/98 10:06:00 AM
		COC Record:	7149

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	57	25		mg/Kg	1	4/27/98

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

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Apr-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla G-1 Drip
Work Order:	9804039	Client Sample ID:	9804231005; 4pt. Composite
Lab ID:	9804039-03A	Matrix:	SOIL
Project:	Jicarilla G-1	Collection Date:	4/23/98 10:05:00 AM
	<i>Drip</i>	COC Record:	7149

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/27/98

Qualifiers:

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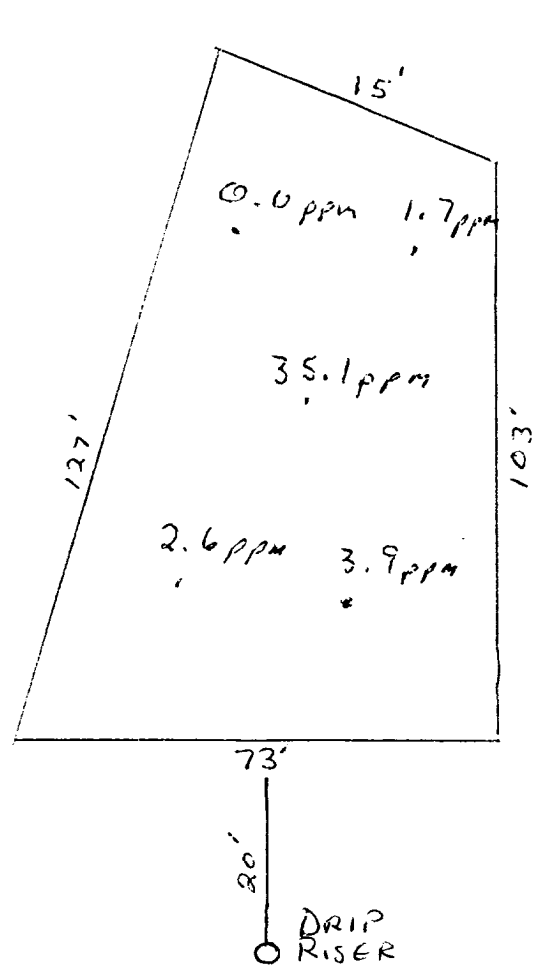
ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (<u>WFS</u>) Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Jicarilla G-1 DRIP</u>	
Location:	Unit: <u>L</u> Sec. <u>1</u> T. <u>26 N</u> R. <u>5 W</u> County <u>Rio Arriba</u>
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>4/22/98</u> Date Completed: <u>4/1/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>168</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</u> Distance to an Ephemeral Stream: (pts.) <u>0</u> Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u> Wellhead Protection Area: (pts.) <u>0</u> Distance to Surface Water: (pts.) <u>0</u> Ranking Score (Total Points): <u>0</u>	Final Closure Sampling: Sampling Date: <u>5/28/98</u> Time <u>1153</u> Sampling Results: Field Headspace (ppm) <u>35.1</u> TPH (ppm) <u>ND</u> Method <u>8015</u> Other <u> </u>
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>4/1/98</u> PRINTED NAME <u>Roy Burnham</u>	
SIGNATURE <u>Roy Burnham</u> AND TITLE <u>Environmental Technician II</u>	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u>use as Backfill</u>	
SIGNED: <u>[Signature]</u> DATE: <u>6-10-98</u>	

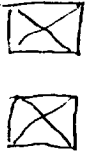
JICARILLA G-1 DRIP
SEC 1 T26N R5W UNIT L

LAND FARM ON JICARILLA G-1

LANDFARM DRAWING



JICARILLA
G1
meter house



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-1 Drip Landfarm
Work Order:	9805086	Client Sample ID:	9805281153; 5pt. Comp.
Lab ID:	9805086-02A	Matrix:	SOIL
Project:	Jicarilla Landfarms	Collection Date:	5/28/98 11:53:00 AM
		COC Record:	7179

Parameter	Result	PQL	Qual	Units	DF	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	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
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