

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

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 107-8 Drip

Location: Unit: A Sec. 33 T. 26 N R. 4 W County Rio Arriba

Pit Type: Separator Dehydrator Other Drip

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20' width 20' depth 3'
(Attach diagram) Reference: wellhead X other _____
Footage from reference: well head Jicarilla 107-8 660
Direction from reference: 20° Degrees 1 East 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:

10/30/98

Date Completed:

12/15/98 RAD
10/30/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

27

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

27

Other _____

Remediation Location:

Onsite _____

Offsite

Jicarilla 107-8

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

Sec. 33, 26W, 4N, B

General Description of Remedial Action:

Removed all contamination from 4 side walls to be below 100 ppm headspace reading.Back at 5' depthExcavated pit 12X12X5

Ground Water Encountered:

No

X

Yes

Depth

Final Pit Closure Sampling:

Sample Location

North wall, East wall, South wall & West wall
Bottom 3 point composite

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

Sample depth

5'

Sample date

10/30/98

Sample time

1150

Sample Results

Soil: Benzene (ppm)

0.007

Water: Benzene (ppb)

Total BTEX (ppm)

0.4988

Toluene (ppb)

Field headspace (ppm)

868 ppm

Ethylbenzene (ppb)

TPH

ND

ppm

Method

TPH-8015

Total Xylenes (ppb)

Ground Water Sample:

Yes

No

(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

10/30/98

PRINTED NAME

GARY COOK

SIGNATURE

Mary Cook

AND TITLE

Environmental Technician

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 Marshall

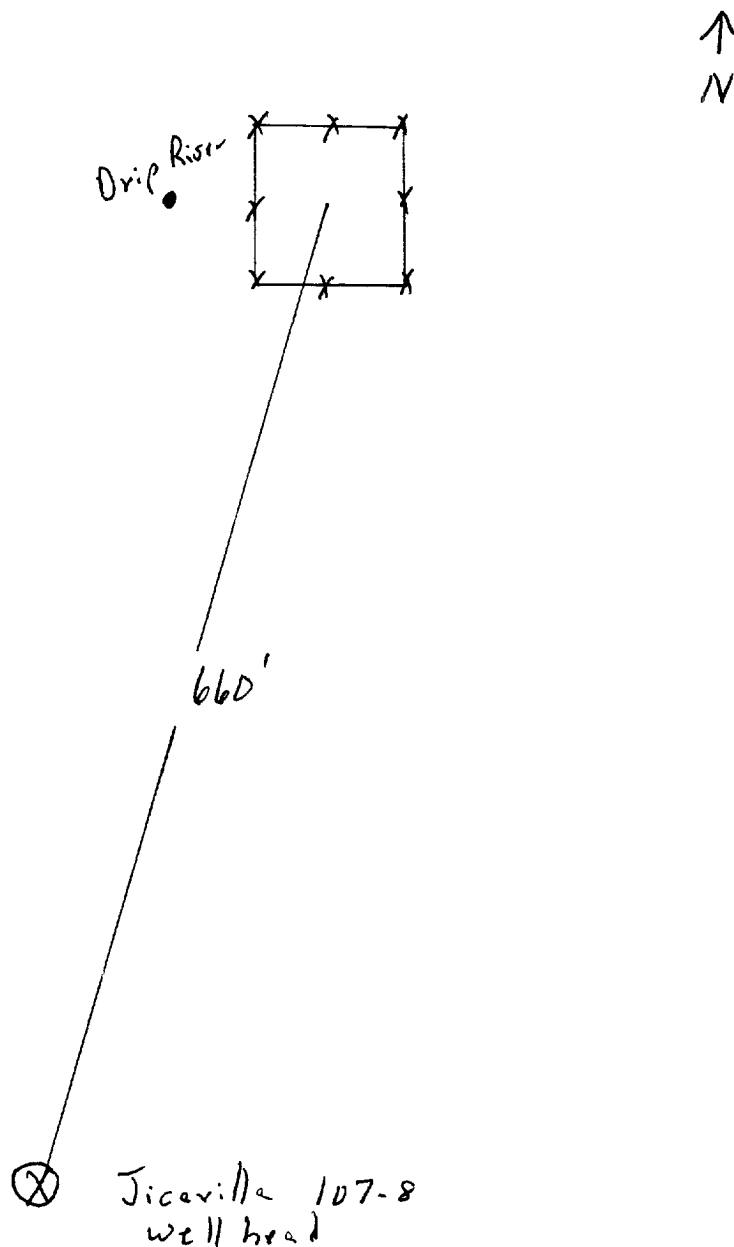
DATE:

11-30-98

Jicavilla 107-8 Drip
WFS
Sec. 33, 26N, 4W, A

10-30-98

site Drawing:

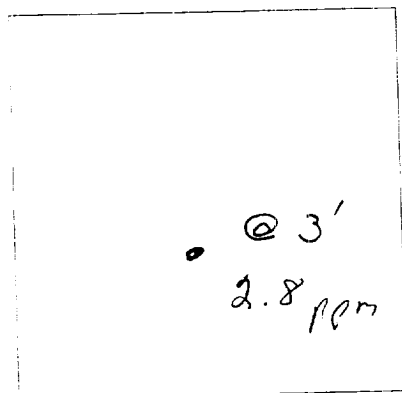


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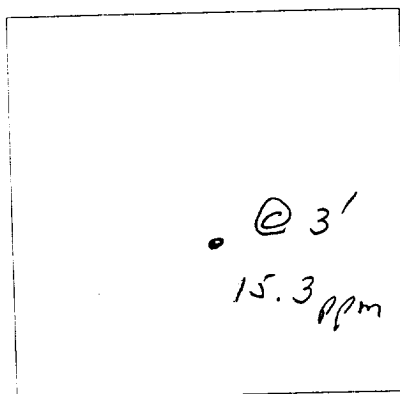
Jiceville 107-8 Drip
WFS
Sec. 33, 26V, 4W, A

10/36/98

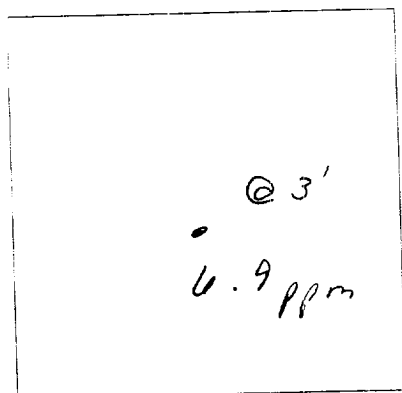
North Wall



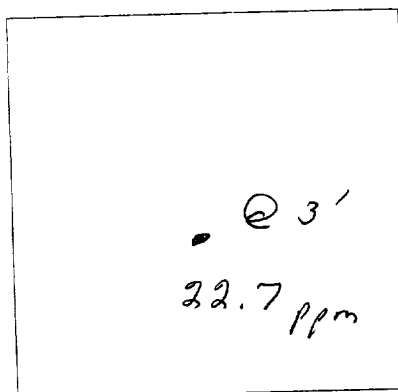
South Wall



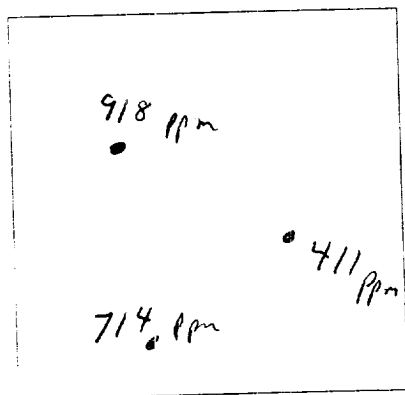
East Wall



West Wall



Bottom



3pt. composite - 868

@ 5' depth

Rock

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 16-Nov-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla 107-8 Drip

Lab Order: 9811004

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: 16-Nov-98

Client: PNM - Public Service Company of NM
Work Order: 9811004
Lab ID: 9811004-01A **Matrix:** SOIL
Project: Jicarilla 107-8 Drip

Client Sample Info: Jicarilla 107-8 Drip
Client Sample ID: 9810301150; Bottom @ 5ft.
Collection Date: 10/30/98 11:50:00 AM
COC Record: 7414

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/11/98
BTEX		SW8020A				Analyst: HR
Benzene	7.2	1		µg/Kg	1	11/2/98
Toluene	8.6	2		µg/Kg	1	11/2/98
Ethylbenzene	17	1		µg/Kg	1	11/2/98
m,p-Xylene	380	2		µg/Kg	1	11/2/98
o-Xylene	86	1		µg/Kg	1	11/2/98

498.8
4988 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



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla 107-8 Drip
Work Order:	9811004	Client Sample ID:	9810301155; Walls @ 3ft.
Lab ID:	9811004-02A	Matrix:	SOIL
Project:	Jicarilla 107-8 Drip	Collection Date:	10/30/98 11:55:00 AM
		COC Record:	7414

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

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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JICARILLA APACHE TRIBE
ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

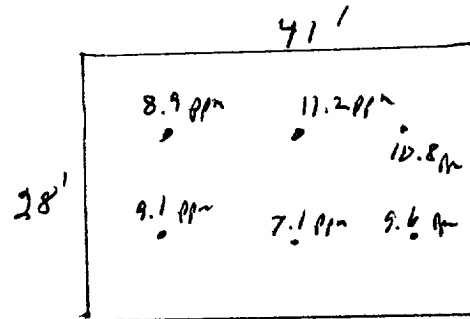
Operator: PNM Gas Services (<u>WFS</u>)		Telephone: <u>324-3764</u>
Address: <u>603 W. Elm Street Farmington, NM 87401</u>		
Facility or Well Name: <u>Jicarilla 107-8 Drip</u>		
Location:	Unit: <u>A</u>	Sec. <u>33</u> T. <u>26</u> N R. <u>4</u> W County <u>Rio Arriba</u>
Land Type: <u>Jicarilla Apache</u>		
Date Remediation Started: <u>10/30/98</u>		Date Completed: <u>10/30/98 12/09/98</u>
Remediation Method: Landfarmed <u>X</u>		Approx. cubic yards <u>27 yds</u>
Composted <u> </u>		
Other <u> </u>		
Depth to Ground Water: (pts.) <u>0</u>		Final Closure Sampling: Sampling Date: <u>12/1/98</u> Time <u>0905</u> Sampling Results: Field Headspace (ppm) <u>21.6 ppm</u> TPH (ppm) <u>48</u> Method <u>TPH-8015</u> Other <u> </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>		
<p>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF</p> <p>DATE <u>12/14/98</u> PRINTED NAME <u>Ronald A. Dordick Gary Cook</u></p> <p>SIGNATURE <u><i>Gary Cook</i></u> AND TITLE <u>Environmental Technician II</u></p>		
<p>AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE</p> <p>APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u> </u></p> <p>SIGNED: <u><i>Kes Cyma</i></u> DATE: <u>12-15-98</u></p>		

Jicavilla 107-8 Orip
WFS
Sec. 33, 26N, 4W, A

10/30/98

↑
N

Land Farmed: Jicavilla 107-8
same legal



⊗ Jic. 107-8
well head

2"-12" depth

Soil vapor headspace = 21.6 ppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9812004

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: 10-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla 107-8 Drip LF
Work Order:	9812004	Client Sample ID:	9812010905; 6pt Composite
Lab ID:	9812004-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	12/1/98 9:05:00 AM
		COC Record:	7446

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	48	25		mg/Kg	1	12/9/98

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