

Denny L. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

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

OK

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 L#7 Drip
Location: Unit: m Sec. 34 T. 25 N R. 5 W County Rio Arriba
Pit Type: Separator Dehydrator Other Drip
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 18' width 18' depth 3'
(Attach diagram) Reference: wellhead X other
Footage from reference: 243'
Direction from reference: 45° Degrees East North
X West of South X

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet	(20 points)	<u>0</u>
50 feet to 99 feet	(10 points)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
200 feet to 1,000 feet	(10 points)	<u>0</u>
Greater than 1,000 feet	(0 points)	<u>0</u>

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)	<u>0</u>
Greater than 100 feet	(0 points)	<u>0</u>

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)	<u>0</u>
Greater than 100 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 7-13-98 Date Completed: 11/2/98

Remediation Method: Excavation ☒ Approx. Cubic Yards 103

(Check all appropriate sections)

Landfarmed ☒ Amount Landfarmed (cubic yds): 103

Other _____

Remediation Location: Onsite _____ Offsite Jicarilla L#7 PVA

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

Same legal

General Description of Remedial Action:

Excavated pit 14' x 18' x 11'. Removed contaminated soil from all four walls and pit bottom to get a below 100 ppm headspace reading.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location Bottom @ 11'

Walls @ 8'

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

Sample depth 8' + 11'

Sample date 7/13/98 Sample time 0950 - 1000

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 46.8 ppm Ethylbenzene (ppb) _____

TPH N/D RAD ppm Method 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 8/3/98

PRINTED NAME Gary Cook

SIGNATURE Mary S. Cook

AND TITLE Environmental Technician III

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

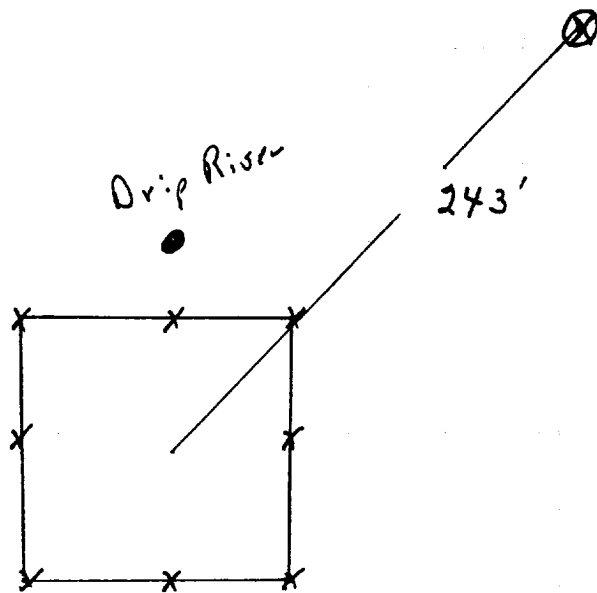
APPROVED: YES ☒ NO _____ (REASON): _____

SIGNED: Kerr C. Marshall DATE: 8-18-98

Jicarilla L#7 Drip
Williams Field Service
Sec. 34, 25N, 5W, m

7/13/98

start of excavation:



45° W of S

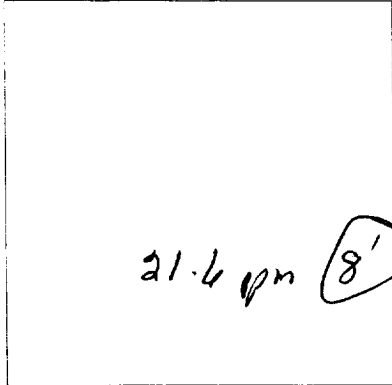
Jicarilla L# 7 Dr: p

WFS

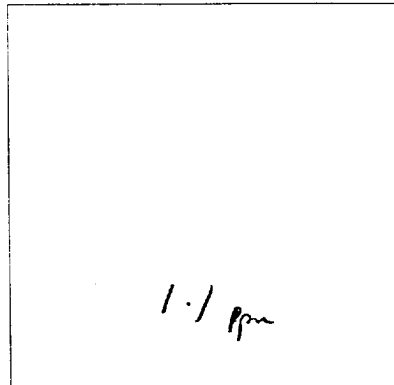
Sec. 34, 25 N, 5 W, m

7/13/98

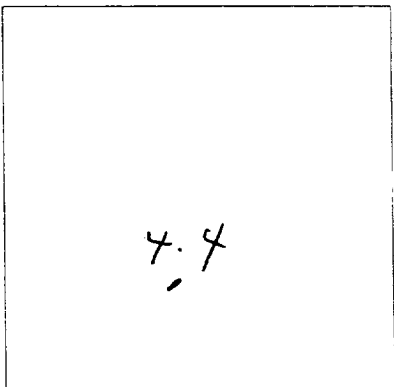
North Wall



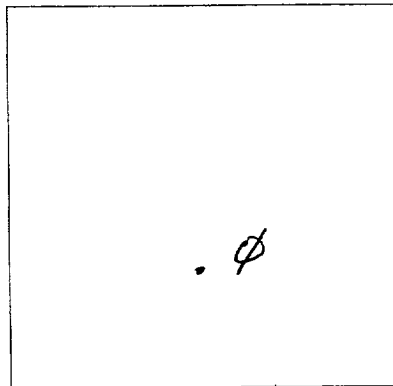
South Wall



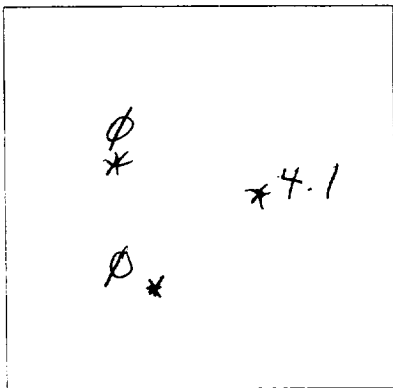
East Wall



West Wall



Bottom



11157.

3 pt. comp.
head space reading = 5.7 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807050

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-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla L#7 Drip
Work Order:	9807050	Client Sample ID:	9807130950; Bottom @ 11ft.
Lab ID:	9807050-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/13/98 9:50:00 AM
		COC Record:	7313

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/23/98

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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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla L#7 Drip
Work Order:	9807050	Client Sample ID:	9807131000; Walls @ 8ft.
Lab ID:	9807050-01A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/13/98 10:00:00 AM
		COC Record:	7313

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	120	25		mg/Kg	1	Analyst: HR 7/23/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

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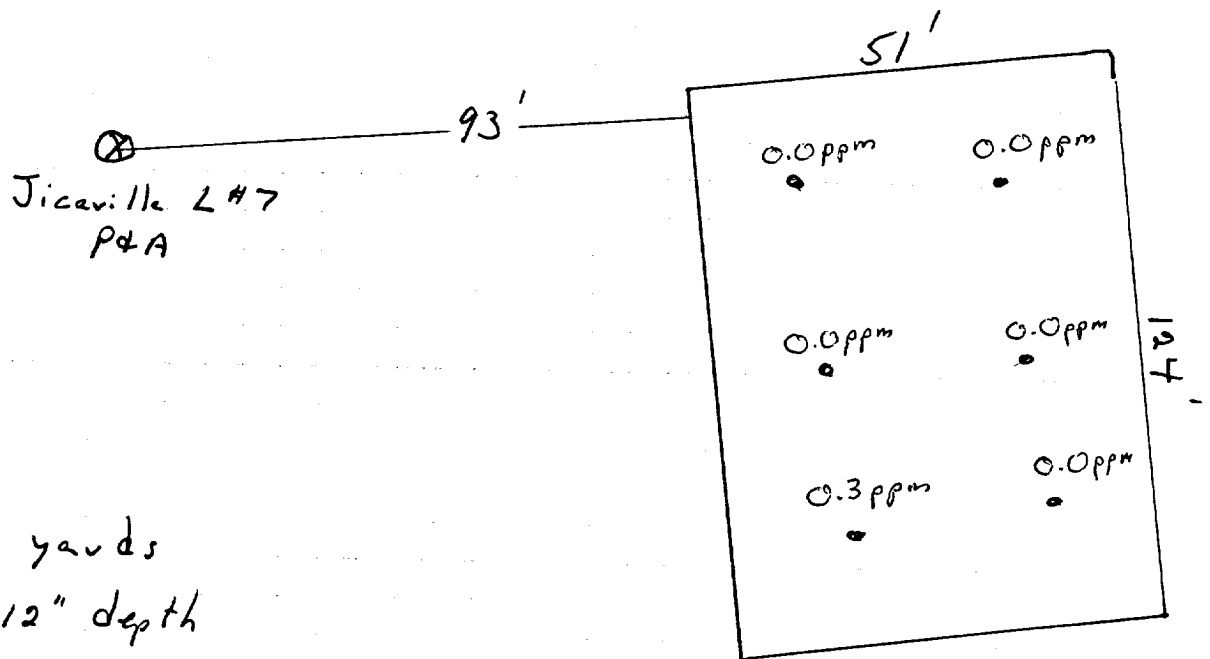
ON-SITE SOIL REMEDIATION REPORT

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 L#7 Drip</u>	
Location: Unit: <u>m</u> Sec. <u>34</u> T. <u>25</u> N R. <u>5</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>7/13/98</u> Date Completed: <u>10/8/98</u>	
Remediation Method: Landfarmed <u>✓</u> Approx. cubic yards <u>103 ya-ds</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>9/30/98</u> Time <u>1650</u> Sampling Results: Field Headspace (ppm) <u>0.3</u> TPH (ppm) <u>52</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>10/25/98</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>Kent Mammell</u> DATE: <u>11-2-98</u>	

Jicaville L#7 Driv
WFS
Sec. 34, 25N, 5W, m

7-15-98

Land Farmed: Jicaville L#7
T44225
Sec. 34, 25N, 5W, m.



103 yards

2"-12" depth

Soil vapor head space =

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Oct-98

Client: PNM - Public Service Company of NM
Work Order: 9810006
Lab ID: 9810006-04A **Matrix:** SOIL
Project: Jicarilla Landfarms

Client Sample Info: Jicarilla L-7 Drip LF
Client Sample ID: 9809301650; 6pt. Composite
Collection Date: 9/30/98 4:50:00 PM
COC Record: 7510

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	52	25		mg/Kg	1	Analyst: DC 10/8/98

Qualifiers:

PQL - Practical Quantitation Limit

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