

Henry S. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 6 8 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

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (*Corroco*) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: *Aki Apache J25*

Location: Unit: *A* Sec. *7* T. *25* N R. *5* W County *Rio Arriba*

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: *Jicarilla Apache*

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

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: *91'*

Direction from reference: *35* Degrees ☒ East North ☐
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)

0

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)

0

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)

0

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)

0

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)

0

RANKING SCORE (TOTAL POINTS):

0

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OIL CON. DIV
DIST. 3

Date Remediation Started: 7-22-98 Date Completed: 9/3/98
Remediation Method: Excavation X Approx. Cubic Yards 256
(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 256
Other _____

Remediation Location: Onsite X 100 yds. Offsite 156 yds. on Aki Apache J 29
(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all four sidewalls as to get a below 100ppm lead grade reading. Bottom is rock.
Final excavation dimensions: 24' (E-W) X 16' (E-W) X 18' (D)

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

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

Sample Location North, East, south + West side walls and 3 point composite bottom sample

Sample depth 18'

Sample date 7-23-98 Sample time 1155

Sample Results

Soil: Benzene (ppm) N/D Water: Benzene (ppb) _____

Total BTEX (ppm) 1.545 Toluene (ppb) _____

Field headspace (ppm) 1917 Ethylbenzene (ppb) _____

TPH 38 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 8-17-98 PRINTED NAME Ray Haston

SIGNATURE Ray Haston AND TITLE Environmental Technician

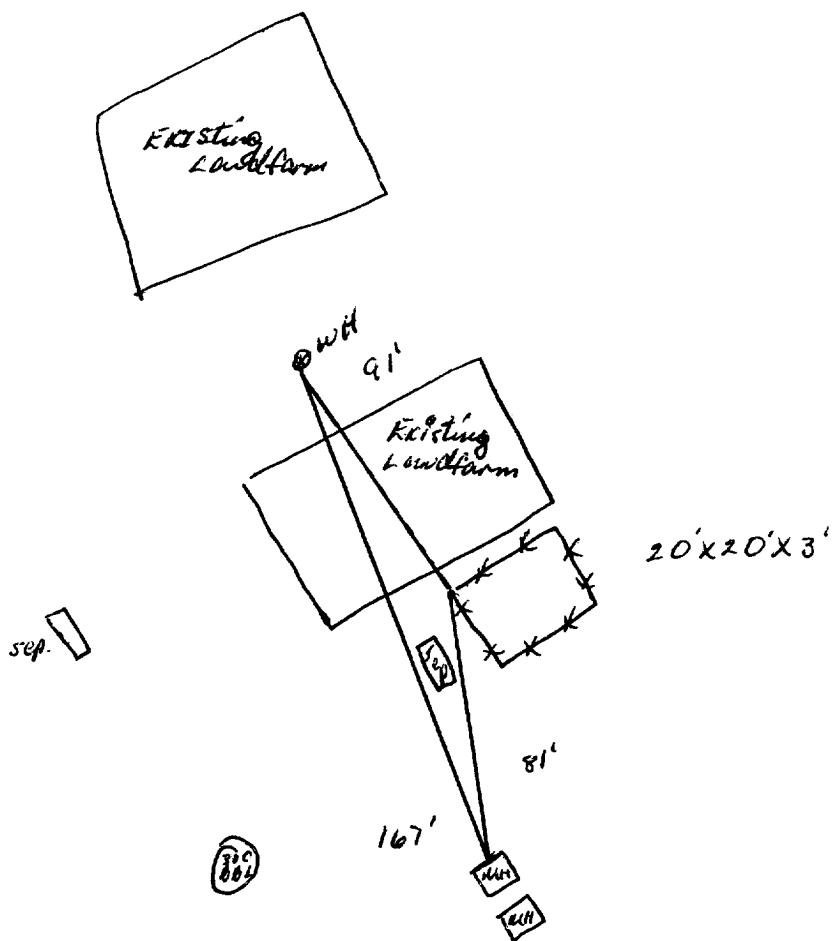
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Ken C. M... DATE: 8-18-98

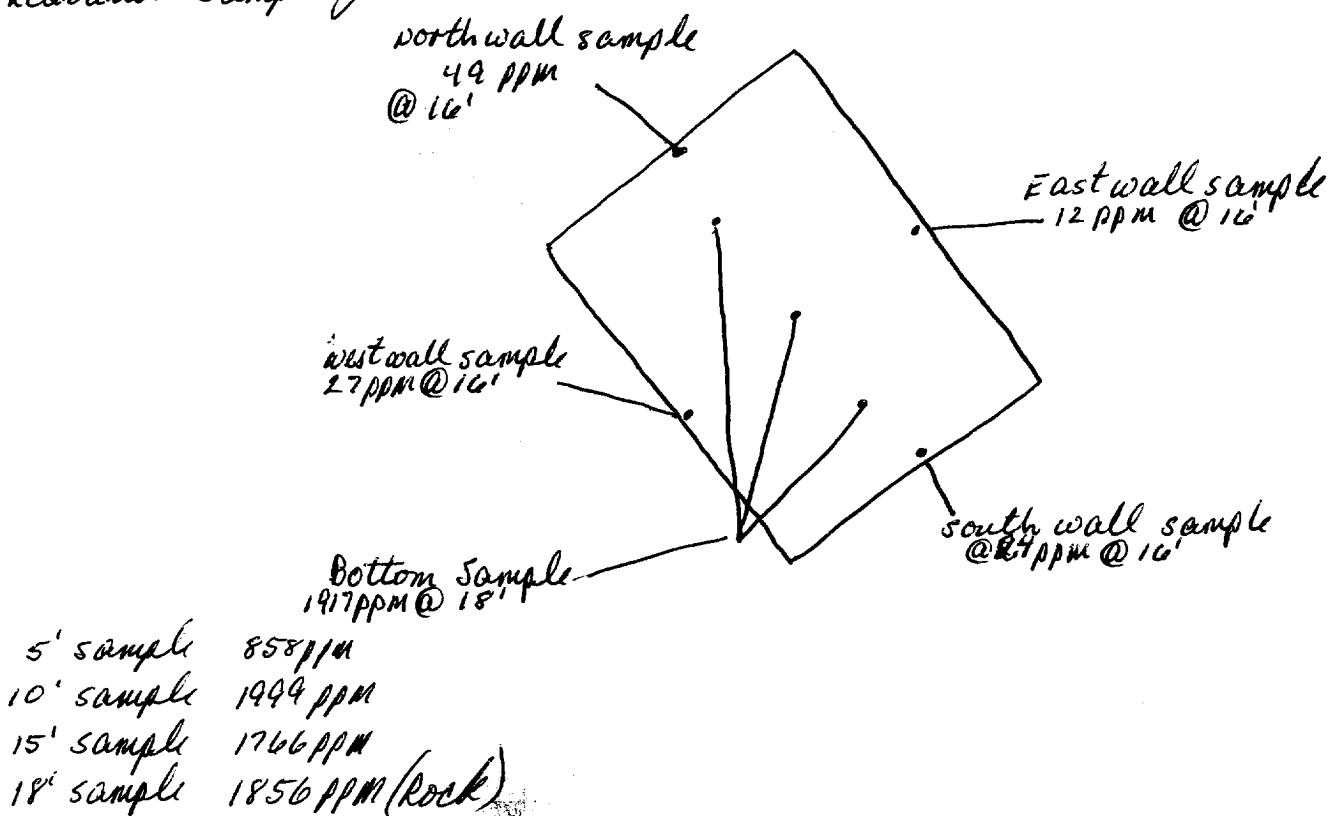
AKI Apache J25
7-25N-5W unit A
CONOCO
7-22-98

N



Excavation Sampling

24'(W+S) x 16'(E+W) x 18'(D)



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 04-Aug-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807070

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: 04-Aug-98

Client: PNM - Public Service Company of NM
Work Order: 9807070
Lab ID: 9807070-02A **Matrix:** SOIL
Project: PNM Pit Remediation

Client Sample Info: Axi Apache J25
Client Sample ID: 9807231155; J25 Bottom *(spoil composite) LK*
Collection Date: 7/23/98 11:55:00 AM
COC Record: 5245

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	38	25		mg/Kg	1	7/30/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	25		µg/Kg	25	7/27/98
Toluene	55	50		µg/Kg	25	7/27/98
Ethylbenzene	130	25		µg/Kg	25	7/27/98
m,p-Xylene	1100	50		µg/Kg	25	7/27/98
o-Xylene	260	25		µg/Kg	25	7/27/98
	<u>1,545</u>					

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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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 04-Aug-98

Client: PNM - Public Service Company of NM
Work Order: 9807070
Lab ID: 9807070-01A **Matrix:** SOIL
Project: PNM Pit Remediation

Client Sample Info: Axi Apache J25
Client Sample ID: 9807231145; J25 Walls *(wall composite)*
Collection Date: 7/23/98 11:45:00 AM
COC Record: 5245

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/28/98

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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ON-SITE SOIL REMEDIATION REPORT LF #1

Operator: PNM Gas Services (CONOCO) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Aki Apache J25
Location: Unit: A Sec. 7 T. 25 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7-22-98 Date Completed: 8-24-98
Remediation Method: Landfarmed K Approx. cubic yards 100
Composted —
Other —

Depth to Ground Water: (pts.) 0
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

Final Closure Sampling:

Sampling Date: 8-18-98 Time 0855
Sampling Results:
Field Headspace (ppm) 4.8
TPH (ppm) N/D Method 8015
Other —

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

DATE 8-31-98 PRINTED NAME Roy Burnham Ray Haston
SIGNATURE Ray Haston AND TITLE Environmental Technician II

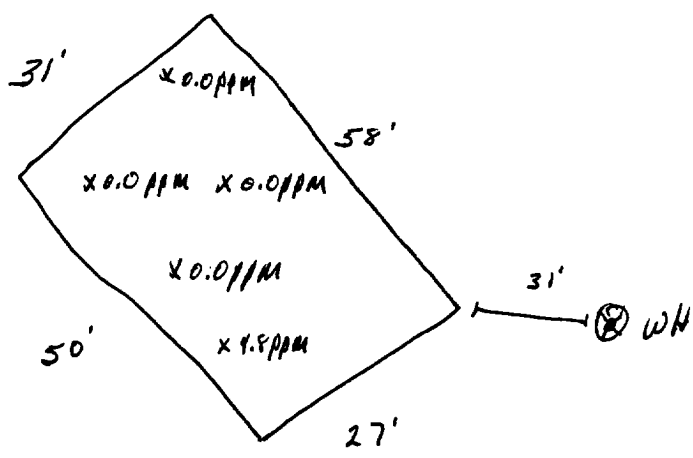
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE
JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES X NO — (REASON) was as Backfill

SIGNED: Kerr C. Mendenhall DATE: 9-3-98

Axi Apache J25 LF#1
(A) 7-25N-5W
CONOCO

↑
N



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 27-Aug-98

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9808038

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: 27-Aug-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-25 #1 LF
Work Order:	9808038	Client Sample ID:	9808180855; 5pt. Comp.
Lab ID:	9808038-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	8/18/98 8:55:00 AM
		COC Record:	7337

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	8/24/98

Qualifiers:

PQL - Practical Quantitation Limit

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AND OIL GAS
ADMINISTRATION

APPROVED: YES X NO (REASON) use as Backfill

SIGNED: [Signature] [Signature] DATE: 9-3-98

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 27-Aug-98

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9808038

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

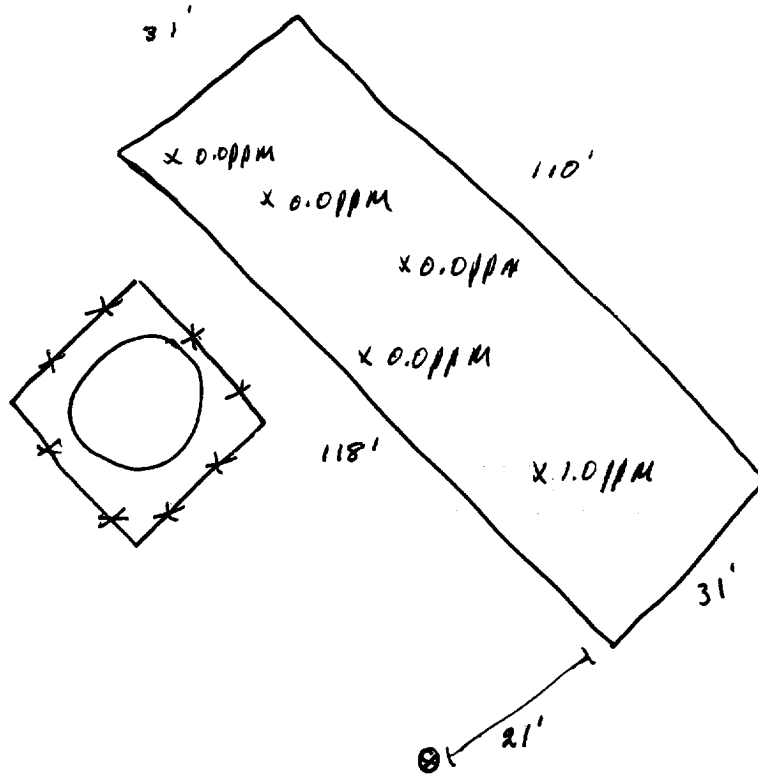
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Aki Apache J 25 on Aki Apache J 24

7-27-98

Aki Apache J 25 Land farm



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 27-Aug-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-25 #2 LF
Work Order:	9808038	Client Sample ID:	9808180900; 5pt. Comp.
Lab ID:	9808038-03A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	8/18/98 9:00:00 AM
		COC Record:	7337

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	8/24/98

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

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