

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

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

FEB 08 1999

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Williams Field Service) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Axi Apache JS Drip

Location: Unit: 0 Sec. 7 T. 25 N R. 5 W County Rio Arriba

Pit Type: Separator Dehydrator Other Drip Pit

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 15' width 15' depth 3'

(Attach diagram) Reference: wellhead other Manual High Pressure Down Pipe

Footage from reference: 6'

Direction from reference: 62 Degrees K East of North K
West of South

Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	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: <small>(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)</small>	Yes (20 points)	<u>0</u>
	No (0 points)	<u>0</u>
Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	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): <small>(Horizontal distance to all downgradient streams having a width of at least 10 feet)</small>	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: <small>(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)</small>	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):		<u>0</u>

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OIL COMMISSION
DIST. 3

Date Remediation Started: 7-20-98 Date Completed: 12/15/98

Remediation Method: Excavation Approx. Cubic Yards 178 ^{MG}

(Check all appropriate sections) Landfarmed Amount Landfarmed (cubic yds): 178 ^{MG}

Other _____

Remediation Location: Onsite _____ Offsite landfarmed on AXI Apache JS
(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:
Removal of contaminated soil from all four side walls, as to get a below 100 ppm head space reading. Bottom was rock. Final excavation dimensions were 19'(N+S) x 22'(E+W) x 11.5'(D)

Ground Water Encountered: No Yes _____ Depth _____

Final Pit Closure Sampling: Sample Location North, South, East, and West side walls. Also a 3 point composite of bottom

(if multiple samples, attach sample result and diagram of sample locations and depths.) Sample depth 11.5'

Sample date 7-20-98 Sample time 1010 0950

Sample Results

Soil: Benzene (ppm) 2.7 Water: Benzene (ppb) _____

Total BTEX (ppm) 42.2 Toluene (ppb) _____

Field headspace (ppm) 1841 Ethylbenzene (ppb) _____

TPH 1100 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 7-28-98 PRINTED NAME Ray Haston

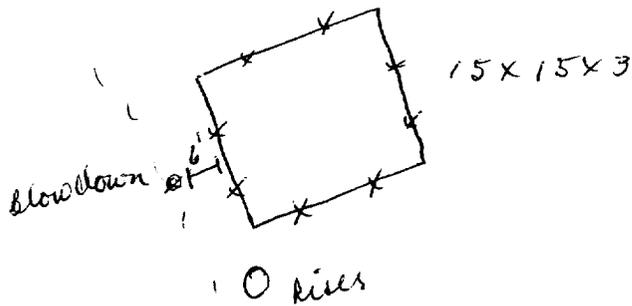
SIGNATURE Ray Haston AND TITLE Environmental Technician II

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

APPROVED: YES NO _____ (REASON): _____

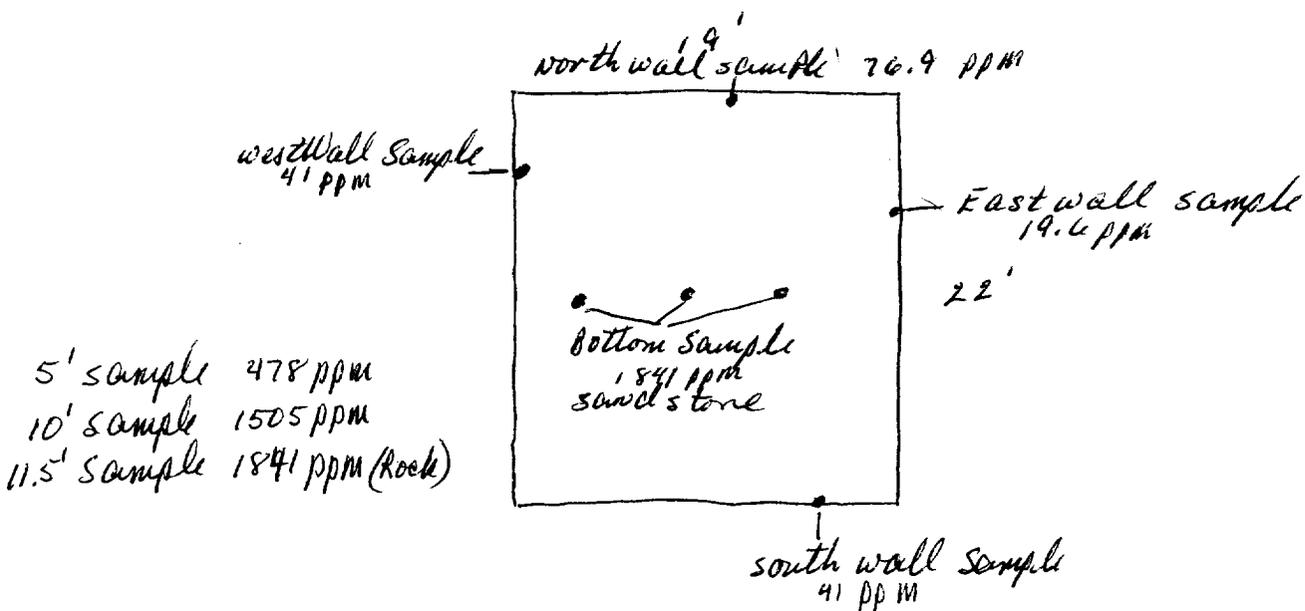
SIGNED: Karl M. Wall DATE: 7-28-98

AKI Apache J#5 Strip
 7-20-98
 7-25N-5W unit 0
 Williams Field Services



Excavation sampling

19' (45) x 22' (E+W) x 11.5' (D)



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: 9807062

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.



ANALYTICAL REPORT

Date: 28-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J5 Drip
Work Order:	9807062	Client Sample ID:	9807200950; Bottom
Lab ID:	9807062-01A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/20/98 9:50:00 AM
		COC Record:	5231

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	1100	25		mg/Kg	1	7/28/98
BTEX		SW8020A				Analyst: DC
Benzene	2700	500		µg/Kg	500	7/22/98
Toluene	17000	1000		µg/Kg	500	7/22/98
Ethylbenzene	1800	500		µg/Kg	500	7/22/98
m,p-Xylene	16000	1000		µg/Kg	500	7/22/98
o-Xylene	4700	500		µg/Kg	500	7/22/98

42200
42.200 ppm

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
 B - Analyte detected in the associated Method Blank Surr: - Surrogate

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J5 Drip
Work Order:	9807062	Client Sample ID:	9807201010; Walls
Lab ID:	9807062-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/20/98 10:10:00 AM
		COC Record:	5231

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	250	25		mg/Kg	1	7/24/98

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
J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
B - Analyte detected in the associated Method Blank	Surr: - Surrogate

1 of 1

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TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

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NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Williams) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: AXI Apache J#5 Drop
Location: Unit: 0 Sec. 7 T. 25 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7-20-98 Date Completed: 9-28-98
Remediation Method: Landfarmed X Approx. cubic yards 178 ~~23~~ M³
Composted
Other Land from bladed into location; pit backfilled from borrow pit.

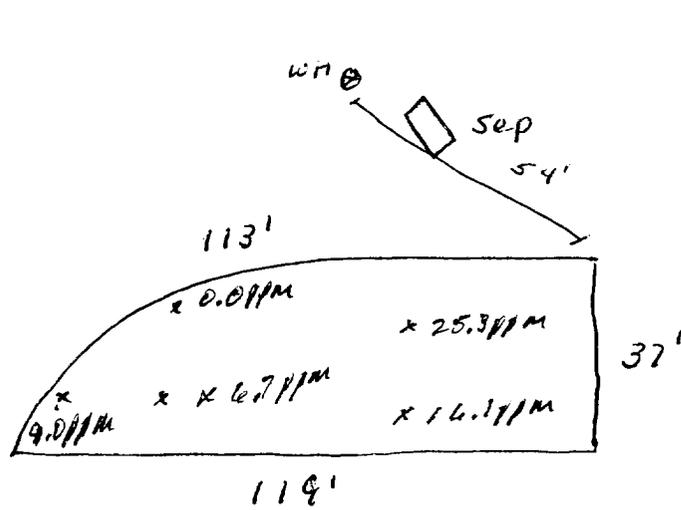
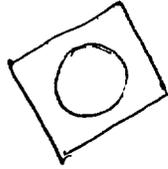
Depth to Ground Water: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>9-21-98</u> Time <u>1300</u> Sampling Results: Field Headspace (ppm) <u>21.0</u> TPH (ppm) <u>150</u> Method <u>8015</u> Other _____
Distance to an Ephemeral Stream: (pts.) <u>70 ^{M³} 0</u>	
Distance to Nearest Lake, Playa, 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>70 ^{M³} 0</u>	

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

DATE 12-12-98 PRINTED NAME ~~Roy Burnham~~ Ray Haston
SIGNATURE [Signature] AND TITLE Environmental Technician II i

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) ~~Not for use as Backfill~~
SIGNED: [Signature] DATE: 12-15-98

AXI Apache J #5
(D) 7-25N-5W
CONOCO



2" 12"
Headspace 21.0 ppm

AXI Apache J #5 Drip Layout farm on AXI Apache J #5

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Sep-98

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9809056

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.



ANALYTICAL REPORT

Date: 30-Sep-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-5 Drip LF
Work Order:	9809056	Client Sample ID:	9809211300; 6pt. Comp.
Lab ID:	9809056-03A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	9/21/98 1:00:00 PM
		COC Record:	7505

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	150	25		mg/Kg	1	9/28/98

Farm bladed into location, pit backfilled from borrow pit

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
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate