

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

OK
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND/OR GAS
ADMINISTRATION

RECEIVED
APR 29 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

Operator: PNM Gas Services (CONOCO) **Telephone:** 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Axi Apache N13
Location: Unit: G Sec. 2 T. 25 N R. 4 W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20' width 20' depth 2'
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: 81'
Direction from reference: 5 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)	<u>0</u>
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)	<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)	
200 feet to 1,000 feet	(10 points)	
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)	
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)	
Greater than 100 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 11-5-98 Date Completed: 1-14-99

Remediation Method: Excavation X Approx. Cubic Yards 740

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 140

Other 630 yds. staged on location awaiting final disposition

Remediation Location: Onsite _____ Offsite 600 yds transported to J.C. LF
(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removal of contaminated soil from all four sidewalls and bottom as to get a below 100 ppm head space reading

Final excavation dimensions: 37' (N75) x 30' (E+W) x 18' (D)

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, east, south and west side walls and a 3 point composite of bottom.

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

Sample depth 18'

Sample date 11-9-98 Sample time 1310 1300

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 36.7 ppm Ethylbenzene (ppb) _____

TPH 32 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 12-5-98 PRINTED NAME Ray Haston

SIGNATURE Ray Haston AND TITLE Environmental Technician III

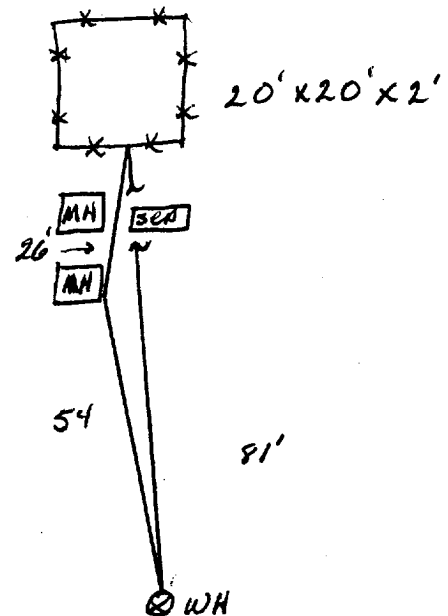
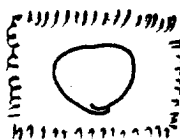
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Ken C. Manna DATE: 12-15-98

AXI Apache N13
(G) 2-25N-4W
CONOCO
11-5-98

N



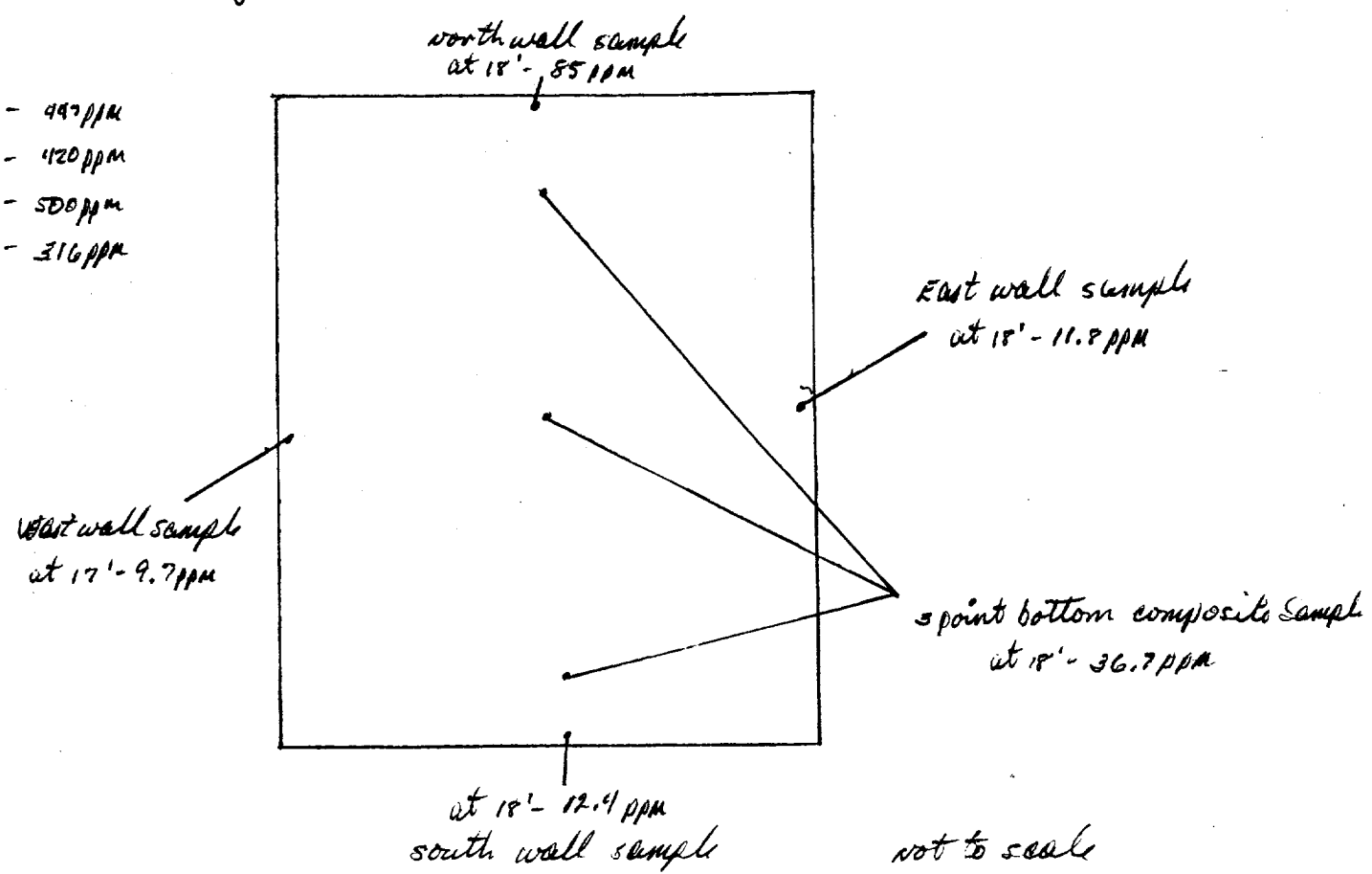
sep.



Excavation Sampling

37'(N+9) x 30'(E+W) x 18' (D)

- 5' sample - 447 ppm
- 10' sample - 1120 ppm
- 15' sample - 500 ppm
- 18' sample - 316 ppm



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 19-Nov-98

CLIENT: PNM - Public Service Company of NM

Project: Axi Apache N-13

Lab Order: 9811050

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: 19-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N-13
Work Order:	9811050	Client Sample ID:	9811091300; 3pt. Comp. Bottom 2
Lab ID:	9811050-01A	Matrix:	SOIL
Project:	Axi Apache N-13	Collection Date:	11/9/98 1:00:00 PM
		COC Record:	5774

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	32	25		mg/Kg	1	11/17/98

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: 19-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N-13
Work Order:	9811050	Client Sample ID:	9811091310; 4pt. Comp. Walls
Lab ID:	9811050-02A	Matrix:	SOIL
Project:	Axi Apache N-13	Collection Date:	11/9/98 1:10:00 PM
		COC Record:	5774

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	61	25		mg/Kg	1	11/18/98

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

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RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (CONOCO) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Axi Apache N13 Land Farm
Location: Unit G Sec 2 T 25 N R 4 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 11/5/98 Date Completed: ~~11/17/98~~ 12-11-98 LH
Remediation Method: Landfarmed ☒ Approx. cubic yards 140
Composted ☐ ~~300-630~~ LH
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: AH.

Sampling Date: 12/9/98 Time ~~1300~~ 0832

Sampling Results:

Field Headspace (ppm) 16.1
TPH (ppm) ND Method 8015
Other _____

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

DATE: 12-5-98 PRINTED NAME Ray Haston
SIGNATURE Ray Haston TITLE Environmental Tech. III

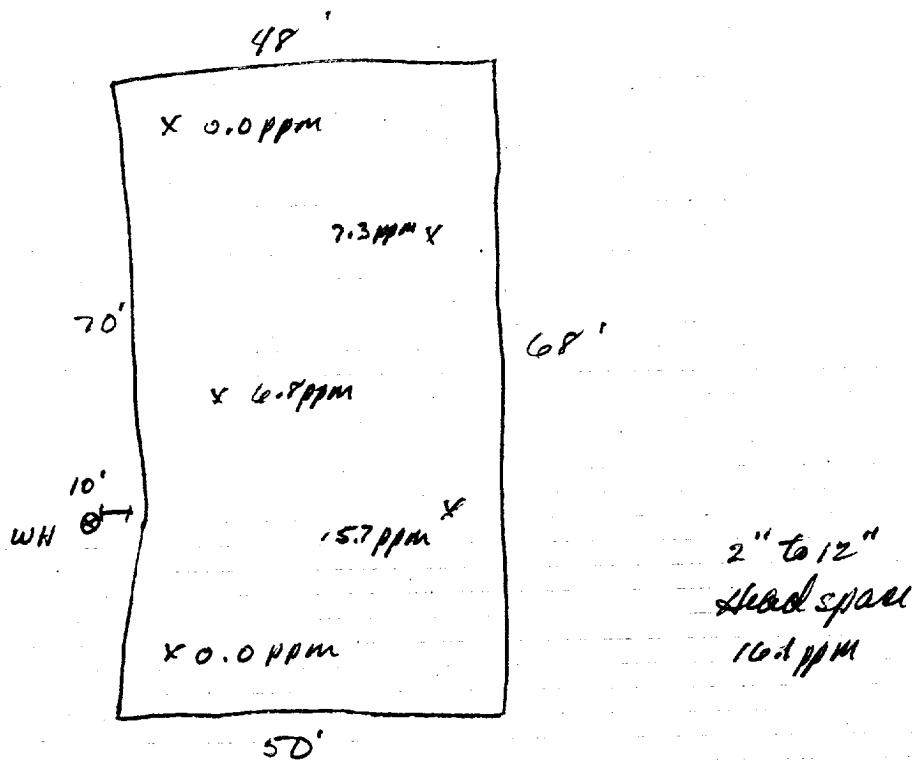
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE
JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE:

APPROVED: YES X NO _____ (REASON): use as Backfill

SIGNATURE: K. C. Mandle DATE: 12-15-98

Axi Apache N13
(G) 2-25N-4W
CONOCO
300 yds

N



not to scale



On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9812016

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: 15-Dec-98

Client: PNM - Public Service Company of NM
Work Order: 9812016
Lab ID: 9812016-06A **Matrix:** SOIL
Project: Jicarilla Pit Remediation

Client Sample Info: Axi Apache N-13 LF
Client Sample ID: 9812090832 6pt Composite
Collection Date: 12/9/98 8:32:00 AM
COC Record: 7448

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/11/98

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
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