

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

OK
SUBMIT ONE COPY
TO NATURAL
RESOURCE DEPT
AND OIL- GAS
ADMINISTRATION

RECEIVED
APR 29 1999

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 N1

Location: Unit C Sec 1 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 0 '

(Attach diagram) Reference: Wellhead ☒ Other _____

Footage from reference: 96'

Direction from reference: 25 degrees ☒ East or ☐ North
☐ West ☒ 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 100 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) 10

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) 10

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 11/4/98 Date Completed: 1/14/99

Remediation Method: Excavation ☒ Approx. Cubic Yards 681
(Check all appropriate sections) Landfarmed ☒ Amount Landfarmed (cubic yds) 8174
Other 570 R.H. 53474
450 yds. staged on location awaiting final disposition,

Remediation Location: Onsite ☒ Offsite 600
(i.e., landfarmed onsite, name and location of offsite facility) 570 yds. farmed at Jic LF #3

General Description of Remedial Action:
Removal of contaminated soil from all four sidewalls, as to get a below 100 ppm head space reading.
Bottom is rock.

Final excavation dimensions: 32'(N&S)X25'(E&W)X23'(D)

Ground Water Encountered: No ☒ Yes ☐ Depth

Final Pit Closure Sampling: Sample Location Composite of North, East, South, and West sidewalls and a three point composite of rock bottom.

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

Sample depth 23'

Sample date 11/5/98 Sample time 1205 1158

Sample Results

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

Total BTEX (ppm) .0117 Toluene (ppb)

Field headspace (ppm) 437 Ethylbenzene (ppb)

TPH (ppm) ND Method 8015 Total Xylenes (ppb)

Vertical Extent (ft) 23' Risk Analysis form attached: Yes ☐ No ☒

Ground Water Sample: Yes ☐ No ☒ (If yes, see attached Groundwater Site Summary Report)

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

DATE: 11-20-98

PRINTED NAME Ray Haston

SIGNATURE Ray Haston

TITLE Environmental Tech. III

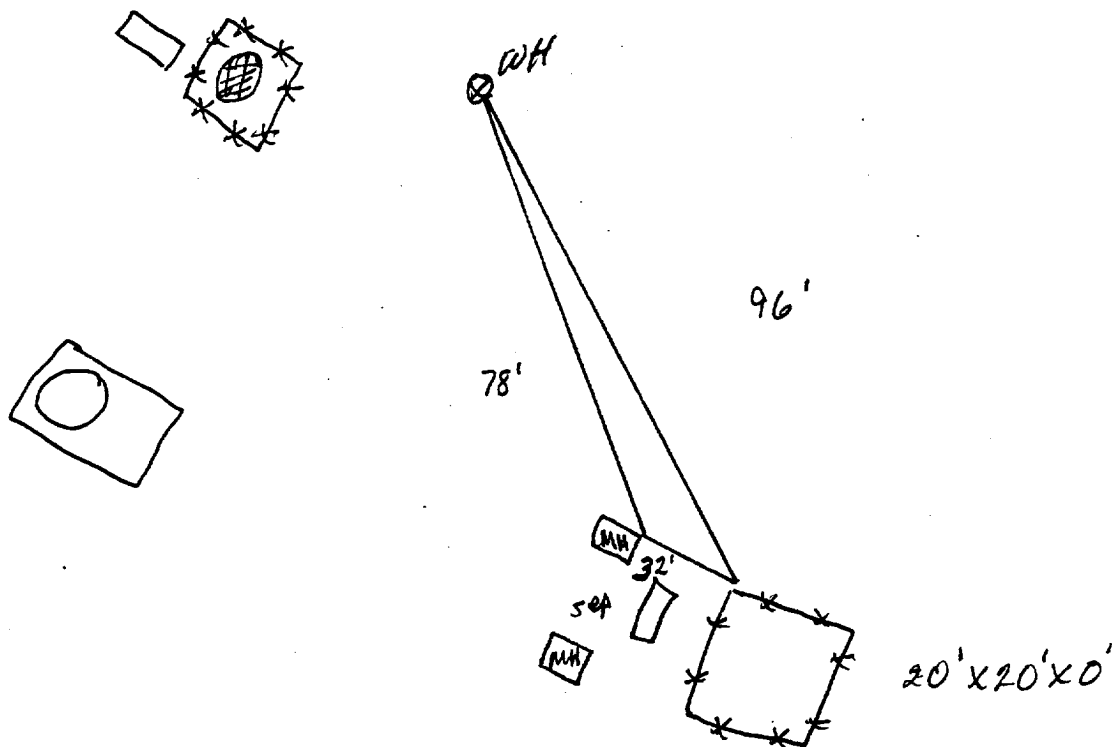
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE:

APPROVED: YES X NO (REASON):

SIGNATURE: K. E. M. M. D. DATE: 11-30-98

AKI Machine N17
(C) 1-25N-4W
CONOCO
11-4-98

N



Excavation Sampling

32' (N+S) x 25' (E+W) x 23' (D)

5' sample 607 ppm
10' sample 420 ppm
15' sample 330 ppm
20' sample 230 ppm
23' sample 389 ppm

West wall sample
at 22' - 1.2 ppm

North wall sample
at 23' - 1.4 ppm

East wall sample
at 23' - 2.4 ppm

South wall sample
at 16' - 6.4 ppm

3 point bottom sample
at 23' - 437 ppm (Rock)

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 16-Nov-98

CLIENT: PNM - Public Service Company of NM

Project: Axi Apache N14

Lab Order: 9811020

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: 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N14
Work Order:	9811020	Client Sample ID:	9811051158; 3pt Comp Bottom
Lab ID:	9811020-01A	Matrix:	SOIL
Project:	Axi Apache N14	Collection Date:	11/5/98 11:58:00 PM
		COC Record:	7078

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/15/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	1		µg/Kg	1	11/7/98
Toluene	ND	2		µg/Kg	1	11/7/98
Ethylbenzene	1.9	1		µg/Kg	1	11/7/98
m,p-Xylene	9.8	2		µg/Kg	1	11/7/98
o-Xylene	ND	1		µg/Kg	1	11/7/98

11.7
0.0117 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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**ANALYTICAL REPORT****Date:** 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N14
Work Order:	9811020	Client Sample ID:	9811051205; 4pt. Wall Comp
Lab ID:	9811020-02A	Matrix:	SOIL
Project:	Axi Apache N14	Collection Date:	11/5/98 12:05:00 PM
		COC Record:	7078

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/15/98

Qualifiers:

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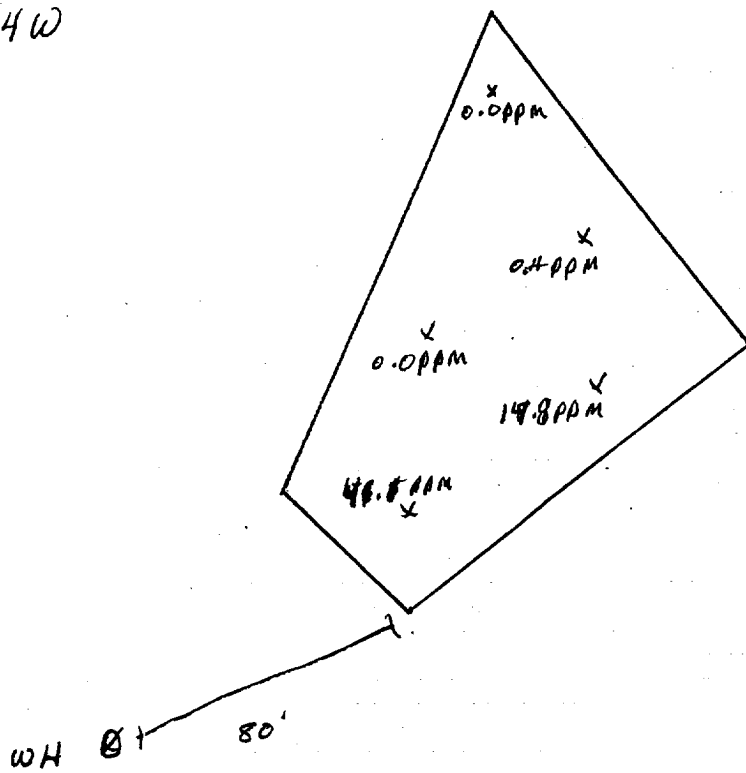
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DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (<u>CONOCO</u>) Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache N14</u>	
Location:	Unit: <u>C</u> Sec. <u>1</u> T. <u>25</u> N R. <u>4</u> W County <u>Rio Arriba</u>
Land Type:	<u>Jicarilla Apache</u>
Date Remediation Started: <u>11-4-98</u> Date Completed: <u>12-11-98</u>	
Remediation Method:	Landfarmed <u>K</u> Approx. cubic yards <u>81 #RAD</u>
	Composted <u>—</u>
	Other <u>—</u>
Depth to Ground Water: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>12-9-98</u> Time <u>0751</u> Sampling Results: Field Headspace (ppm) <u>4.3</u> TPH (ppm) <u>33</u> Method <u>8015</u> Other <u>—</u>
Distance to an Ephemeral Stream: (pts.) <u>10</u>	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>10</u>	
Wellhead Protection Area: (pts.) <u>0</u>	
Distance to Surface Water: (pts.) <u>0</u>	
Ranking Score (Total Points): <u>10</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>12-16-98</u>	PRINTED NAME <u>Roy Burnham Ray Haston</u>
SIGNATURE <u>Ray Haston</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>K. C. Marshall</u>	DATE: <u>12-21-98</u>

Axi Apache N14
(C) 1-25N-4W
CONOCO



2" - 12"
Head space: 4.3ppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 15-Dec-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation
Lab Order: 9812016

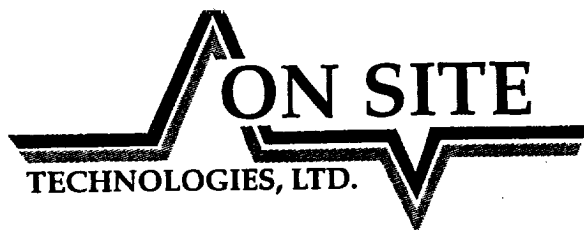
CASE NARRATIVE

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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: 9812016-04A **Matrix:** SOIL
Project: Jicarilla Pit Remediation

Client Sample Info: Axi Apache N-14 LF
Client Sample ID: 9812090751 6pt Composite
Collection Date: 12/9/98 7:51:00 AM
COC Record: 7448

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	33	25		mg/Kg	1	12/11/98

Qualifiers:

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