

DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

ENVIRONMENTAL PROTECTION OFFICE

**P.O. BOX 507
DULCE, NEW MEXICO 87528**

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Jicarilla Apache Tribal 151-3

Location: Unit: B Sec. 4 T. 26 N R. 5 W County Rio Arriba

Pit Type: Separator Dehydrator ☒ Other

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 19' width 19' depth 4'

(Attach diagram) Reference: wellhead χ other

Footage from reference: 210'

Direction from reference: DUE Degrees East of North X
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)

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)

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)

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)

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)

RANKING SCORE (TOTAL POINTS) :

10

Date Remediation Started:

6/4/98

Date Completed:

7/28/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

692

(Check all appropriate sections)

Landfarmed

XAmount Landfarmed (cubic yds): 692

Other _____

Remediation Location:

Onsite

X

Offsite _____

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

General Description of Remedial Action:

Removed Contaminated Soil from all four side walls and Pit bottom of Pit As to get a below 100 ppm head space reading 29'x28'x23'

Ground Water Encountered:

No

X

Yes _____

Depth _____

Final Pit Closure Sampling:

Sample Location

North, East, South, west side walls and Pit bottom

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

Sample depth

23'

Sample date

6/8/98

Sample time

1426

Sample Results

Soil: Benzene (ppm) _____

Water: Benzene (ppb) _____

Total BTEX (ppm) _____

Toluene (ppb) _____

Field headspace (ppm) 93.7

Ethylbenzene (ppb) _____

TPH ND 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

6/27/98

PRINTED NAME

Roy Burnham

SIGNATURE

Roy Burnham

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

X

NO _____

(REASON): _____

SIGNED:

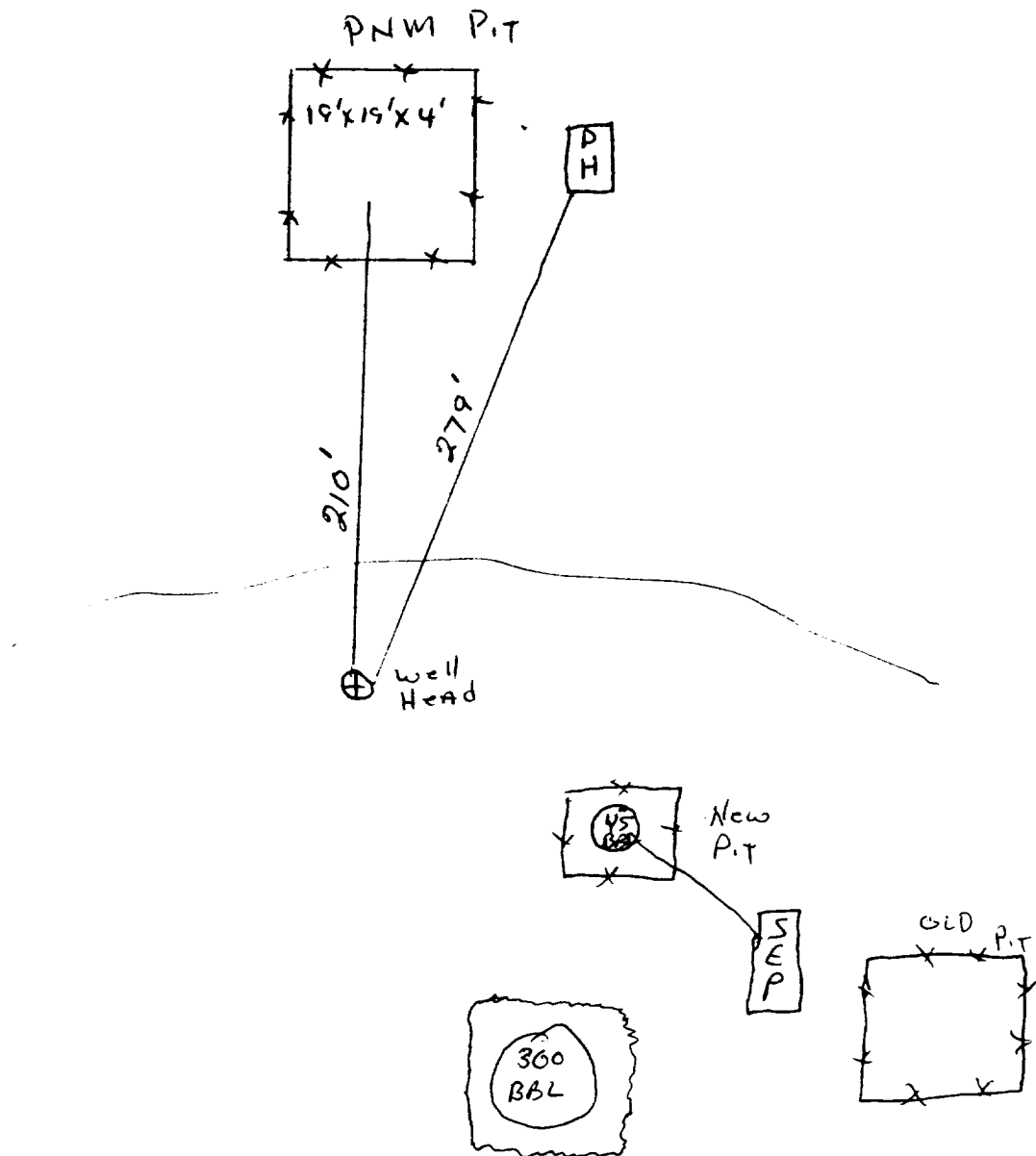
Kate C. McNeill

DATE:

6-29-98

Jicarilla Apache Tribal 151-3
Sec-4 T26N R-5W Unit B
Amoco

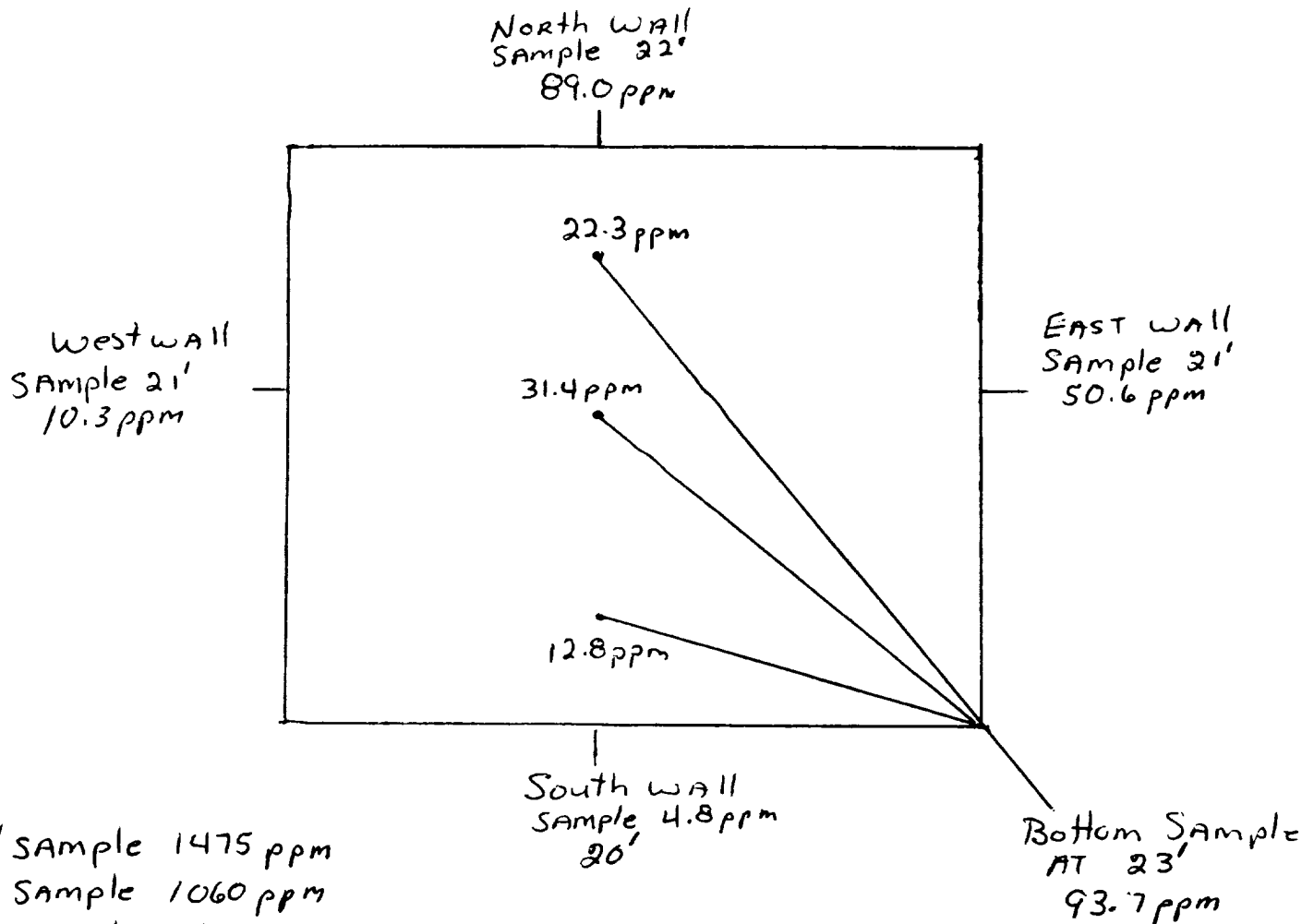
SITE DRAWING



Jicarilla Apache Tribal 151-3
Sec-4 T26N R5W unit B

29' x 22' x 23'

EXCAVATION DRAWING



5' Sample 1475 ppm
10' Sample 1060 ppm
15' Sample 512 ppm
20' Sample 322 ppm
23' Sample 12.8/31.4/22.3/ppm

OFF: (505) 325-5667

ON SITE

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

Date: 17-Jun-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9806037

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: 17-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla Apache Tribal 151-3
Work Order:	9806037	Client Sample ID:	9806081426; 3pt. Comp. Bottom
Lab ID:	9806037-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	6/8/98 2:26:00 PM
		COC Record:	7161

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/11/98

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

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 17-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla Apache Tribal 151-3
Work Order:	9806037	Client Sample ID:	9806081425; 4pt. Comp. Walls
Lab ID:	9806037-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	6/8/98 2:25:00 PM
		COC Record:	7161

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/11/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

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S - Spike Recovery outside accepted recovery limits

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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

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (Amoco)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Jicarilla Apache Tribal 151-3</u>	
Location: Unit: <u>B</u> Sec. <u>4</u> T. <u>26</u> N. R. <u>5</u> W. County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>6/4/98</u> Date Completed: <u>7/22/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>692</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</u> Distance to an Ephemeral Stream: (pts.) <u>10</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>10</u>	Final Closure Sampling: Sampling Date: <u>7/15/98</u> Time <u>1343</u> Sampling Results: Field Headspace (ppm) <u>44.0</u> TPH (ppm) <u>56</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>7/26/98</u> SIGNATURE <u>Roy Burnham</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 M...</u> DATE: <u>7-28-98</u>	

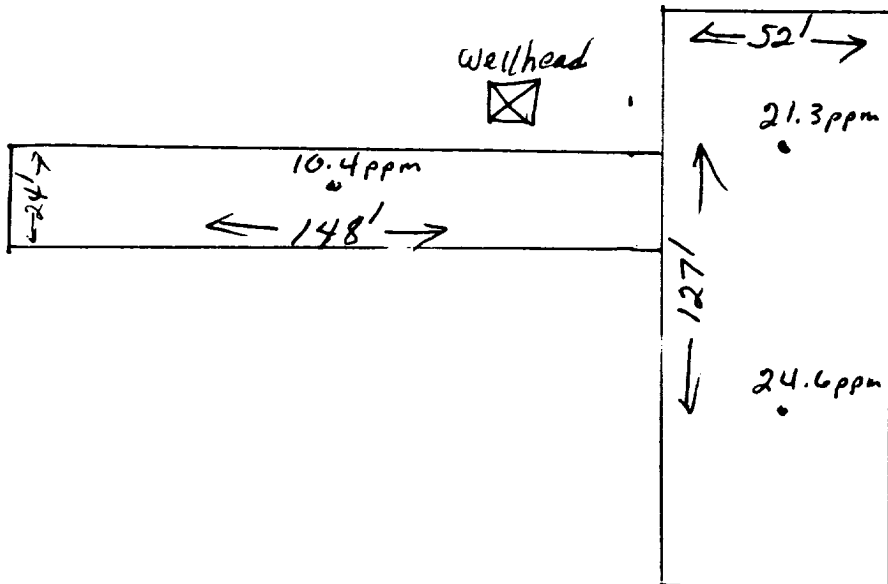
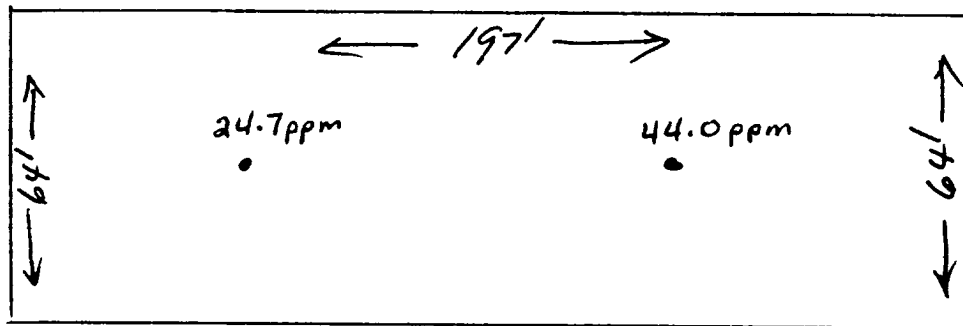
15

JICARILLA APACHE TRIBAL 151-3

AMOCO

UNIT B SEC 4 T26N R5W

LAND FARM DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 23-Jul-98

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9807042

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: 23-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jic. Apache Tribal 151-3 LF
Work Order:	9807042	Client Sample ID:	9807151343; 5pt. Composite
Lab ID:	9807042-04A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/15/98 1:43:00 PM
		COC Record:	7265

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	56	25		mg/Kg	1	7/22/98

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
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