

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

FEB 08 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

OK

Approval

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Conoco) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Axi Apache J-3

Location: Unit: E Sec. 6 T. 25 N R. 5 W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 18' width 18' depth 1'

(Attach diagram) Reference: wellhead X other

Footage from reference: 18'

Direction from reference: 15 Degrees X East North
 West South X

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

RECEIVED
FEB - 1 1999

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points)

Ø

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)

OIL CON. DIV.
DIST. 3

Yes (20 points)
No (0 points)

Ø

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)

Ø

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)

Ø

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)

Ø

RANKING SCORE (TOTAL POINTS):

Ø

Date Remediation Started:

7/22/98

Date Completed:

9/9/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

140

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

140

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 as to get a below 100 ppm headspace reading.
Pit bottom is sandstone. 3 PT composite of Pit bottom
EXCAVATION SIZE 37'x34'x3'

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

3'

Sample date

7/22/98

Sample time

1100

Sample Results

Soil: Benzene (ppm)

- 980

Water: Benzene (ppb) _____

Total BTEX (ppm)

14.280

Toluene (ppb) _____

Field headspace (ppm)

1343

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

8/2/98

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:

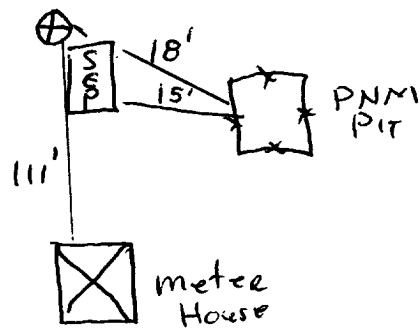
Ker C Marshall

DATE:

8-18-98

Ax1 Apache J-3
Sec-6 T-25N R-5W unit E

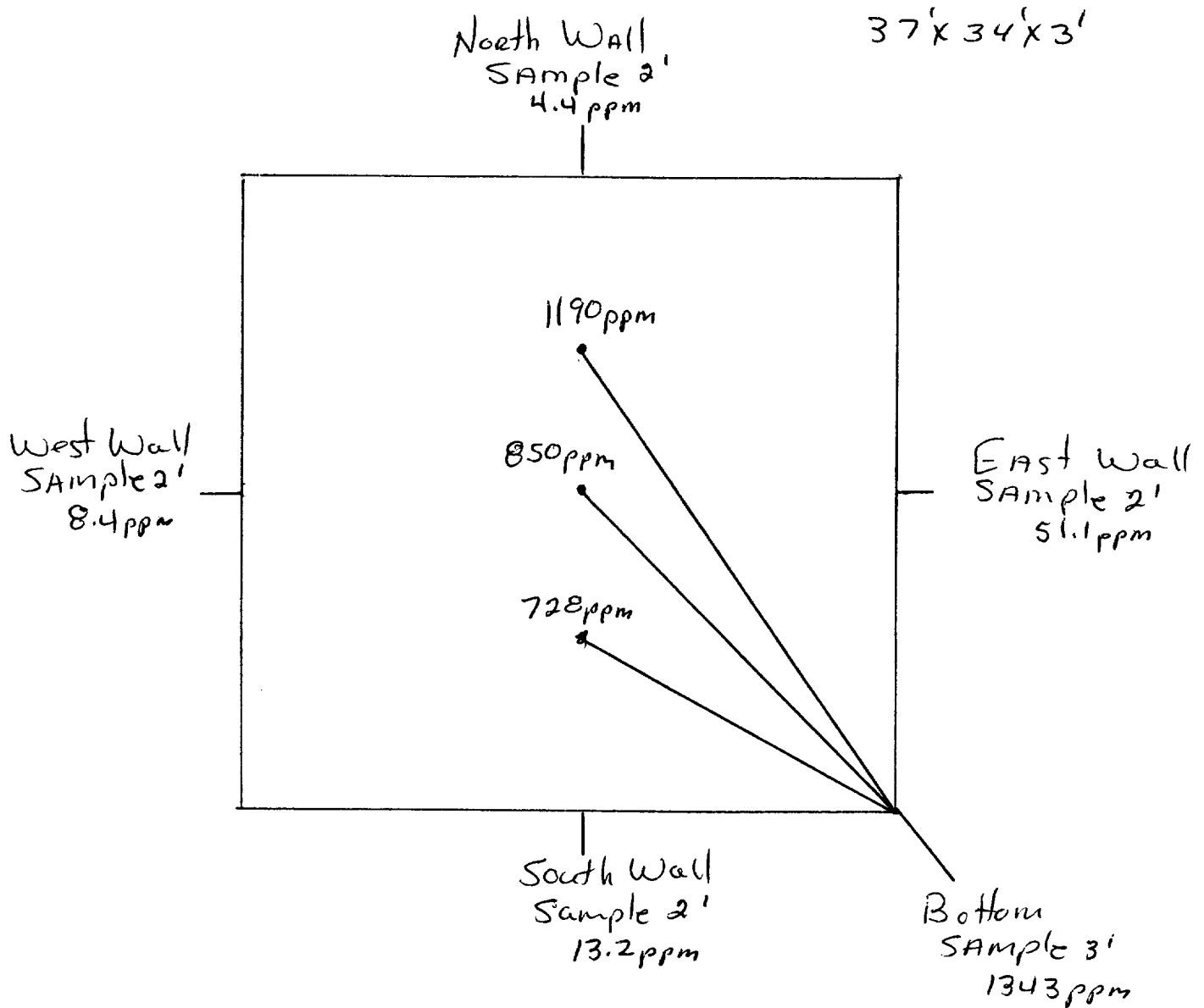
Site Drawing



Not to Scale

HX1 HPACHE J-3
Sec-6 T-25X R-5W unit-E
Conoco

EXCAVATION DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Jul-98

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9807066

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: 30-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-3
Work Order:	9807066	Client Sample ID:	9807221100; 3pt. Comp. Bottom
Lab ID:	9807066-06A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/22/98 11:00:00 AM
		COC Record:	7068

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/29/98
BTEX		SW8020A				Analyst: DC
Benzene	980	100		µg/Kg	100	7/27/98
Toluene	ND	200		µg/Kg	100	7/27/98
Ethylbenzene	1700	100		µg/Kg	100	7/27/98
m,p-Xylene	9700	200		µg/Kg	100	7/27/98
o-Xylene	1900	100		µg/Kg	100	7/27/98

14,280
14.280 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

1 of 1

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 30-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-3
Work Order:	9807066	Client Sample ID:	9807221059; 4pt. Comp. Walls
Lab ID:	9807066-05A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/22/98 10:59:00 AM
		COC Record:	7068

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

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

Sur: - Surrogate

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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 T-3
Location: Unit: E Sec. 6 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 X Approx. cubic yards 140
Composted —
Other —

Depth to Ground Water: (pts.) Ø
Distance to an Ephemeral Stream: (pts.) Ø
Distance to Nearest Lake, Playa,
or Watering Pond: (pts.) Ø
Wellhead Protection Area: (pts.) Ø
Distance to Surface Water: (pts.) Ø
Ranking Score (Total Points): Ø

Final Closure Sampling:
Sampling Date: 8/18/98 Time 0715
Sampling Results:
Field Headspace (ppm) 0.0
TPH (ppm) N/D Method 8015
Other —

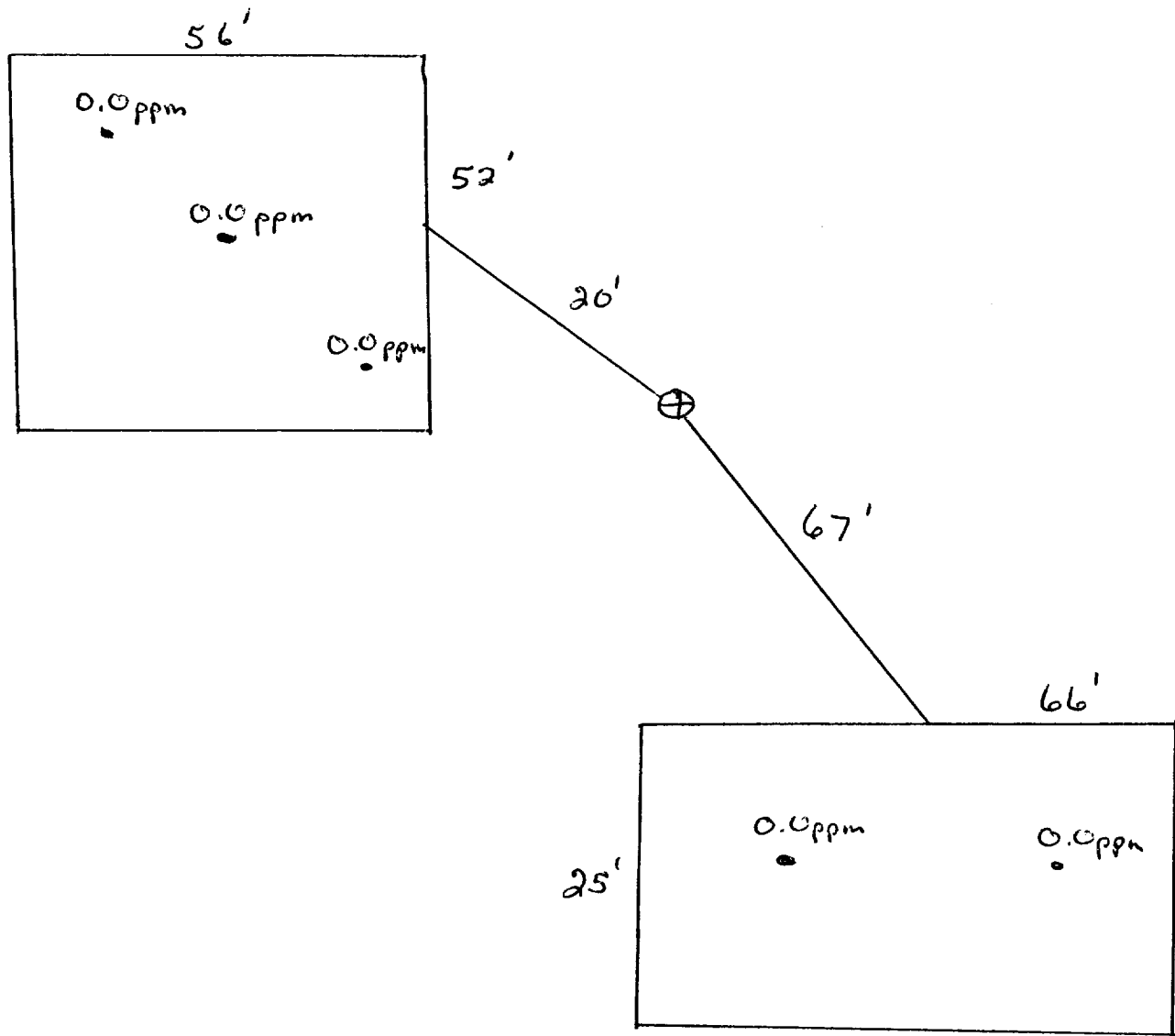
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 8/24/98 PRINTED NAME Roy Burnham
SIGNATURE Roy Burnham 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) use as backfill
SIGNED: Ken C. Man DATE: 9-9-98

Axi Apache S-3
UNIT-E Sec-6 T-25N R-5W
CONOCO



NOT TO SCALE

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 26-Aug-98

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9808037

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: 26-Aug-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-3 LF
Work Order:	9808037	Client Sample ID:	9808180715; 5pt. Comp.
Lab ID:	9808037-01A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	8/18/98 7:15:00 AM
		COC Record:	7336

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
	U - 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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