

George S. Faust
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

7/1/00
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 N-12
Location: Unit: C Sec. 11 T. 25 N R. 4 W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 25' width 25' depth 2'
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: 72'
Direction from reference: straight 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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
Greater than 100 feet	(0 points)	

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 11/9/98 Date Completed: 1/6/99

Remediation Method: Excavation X Approx. Cubic Yards 156

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 156

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 100ppm headspace readings. Pit bottom is sandstone. 3 PT Composite of Pit bottom
Final excavation: 25' X 24' X 7'.

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 7'

Sample date 11/10/98 Sample time 0723 0724

Sample Results

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

Total BTEX (ppm) 38.6 Toluene (ppb) _____

Field headspace (ppm) 1932 Ethylbenzene (ppb) _____

TPH 1000 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 12/6/98 PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham AND TITLE Environmental Technician II

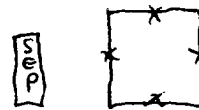
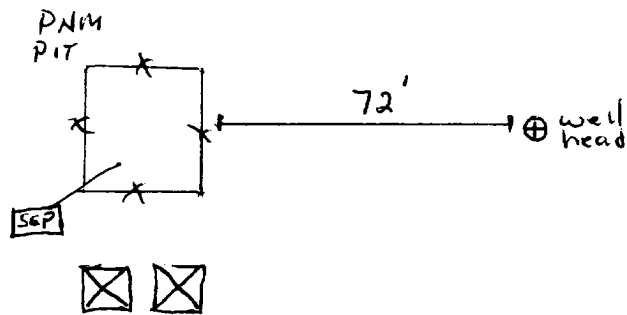
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kee C. Marshall DATE: 12-15-98

Ati Apache N-12
Sec-11 T-25N R-4W ULC
Conoco

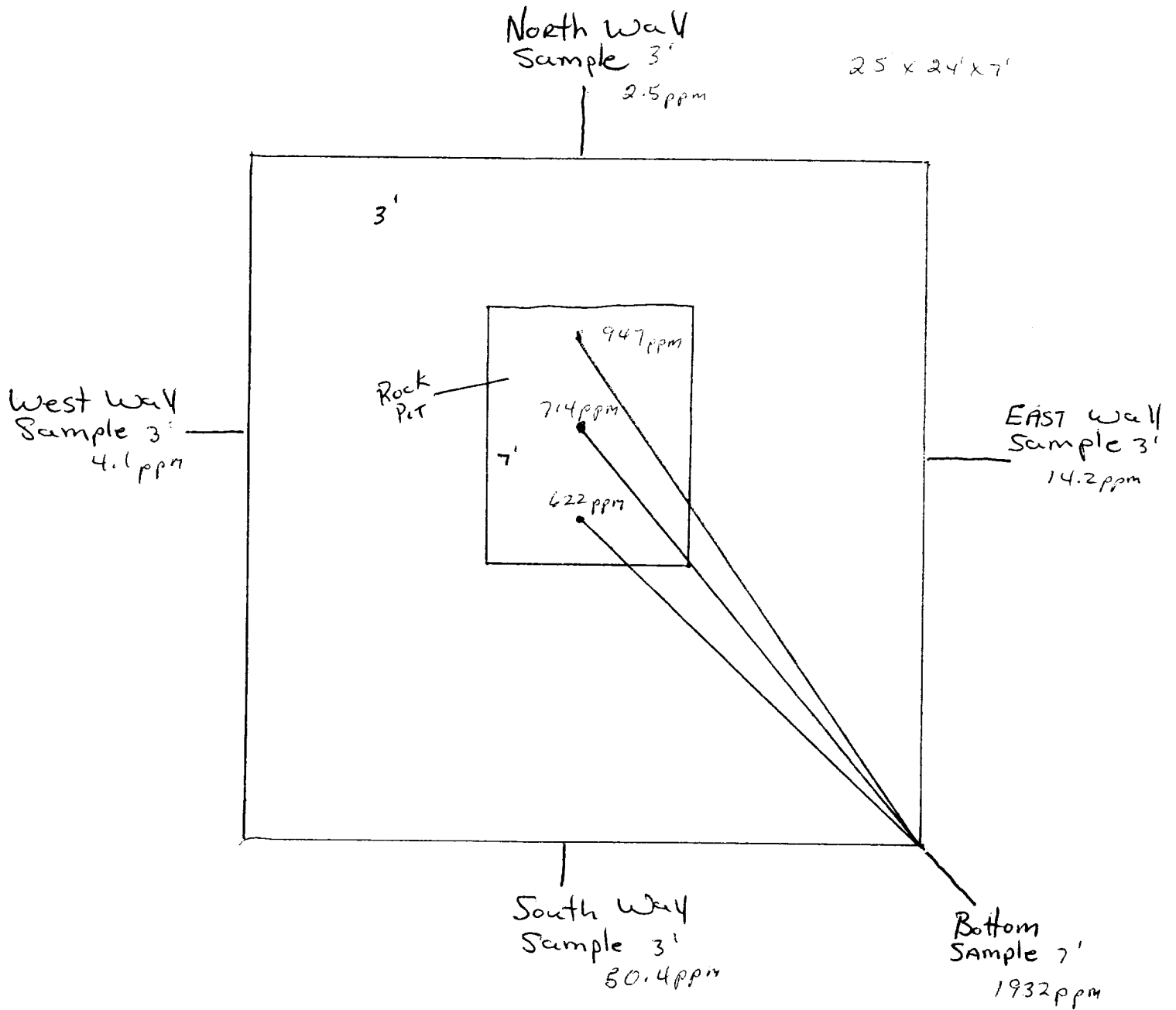
SITE DRAWING



Not to Scale

ARI Apache N-12
Sec-11 T-25N R-4W UL(C)

EXCAVATION DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 24-Nov-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation
Lab Order: 9811052

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: 24-Nov-98

Client: PNM - Public Service Company of NM
Work Order: 9811052
Lab ID: 9811052-04A **Matrix:** SOIL
Project: Jicarilla Pit Remediation

Client Sample Info: Axi Apache N-12
Client Sample ID: 9811100724; 3pt. Comp. Bottom
Collection Date: 11/10/98 7:24:00 AM
COC Record: 7363

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
T/R Hydrocarbons: C10-C28	1000	25		mg/Kg	1	Analyst: HR 11/23/98
BTEX						
Benzene	ND	250		µg/Kg	250	Analyst: DC 11/18/98
Toluene	2100	500		µg/Kg	250	11/18/98
Ethylbenzene	2800	250		µg/Kg	250	11/18/98
m,p-Xylene	27000	500		µg/Kg	250	11/18/98
o-Xylene	6700	250		µg/Kg	250	11/18/98

38600
38.600 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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- TECHNOLOGY REMEDIATION

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 24-Nov-98

Client: PNM - Public Service Company of NM
Work Order: 9811052
Lab ID: 9811052-03A **Matrix:** SOIL
Project: Jicarilla Pit Remediation

Client Sample Info: Axi Apache N-12
Client Sample ID: 9811100723; 4pt. Comp. Walls
Collection Date: 11/10/98 7:23:00 AM
COC Record: 7363

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	79	25		mg/Kg	1	Analyst: HR 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

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE FARMER

1 of 1

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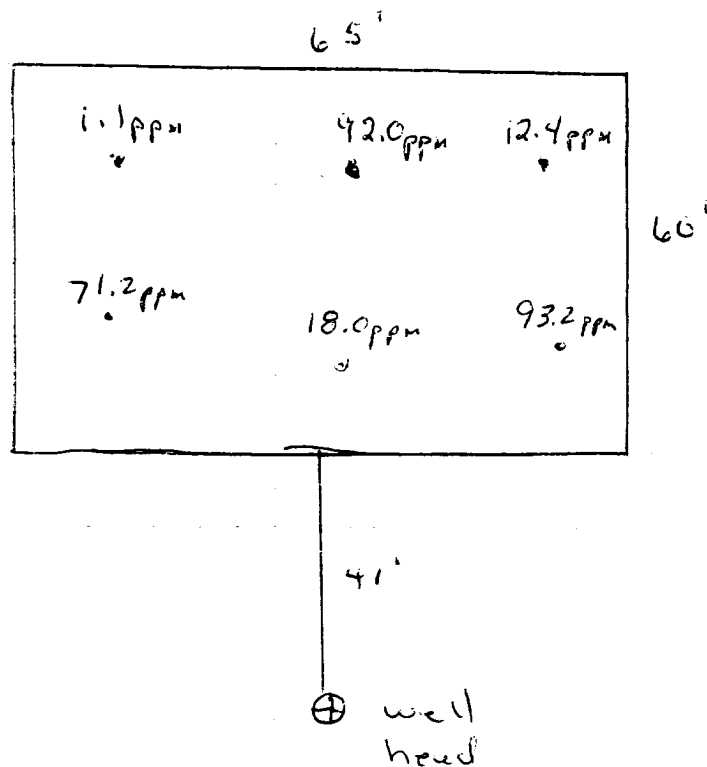
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NATURAL
RESOURCE DEPT
AND OIL - GAS
ADMINISTRATION

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 N-12	
Location:	Unit: C Sec. 11 T. 25 N R. 4 W County Rio Arriba
Land Type: Jicarilla Apache	
Date Remediation Started: 11/9/98 Date Completed: 12/14/98	
Remediation Method: Landfarmed <input checked="" type="checkbox"/> Approx. cubic yards 156 Composted <input type="checkbox"/> Other <input type="checkbox"/>	
Depth to Ground Water: (pts.) <input type="checkbox"/>	Final Closure Sampling: Sampling Date: 12/9/98 Time 1142 Sampling Results: Field Headspace (ppm) 93.2 TPH (ppm) 2500 Method 8015 Other _____
Distance to an Ephemeral Stream: (pts.) <input type="checkbox"/>	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <input type="checkbox"/>	
Wellhead Protection Area: (pts.) <input type="checkbox"/>	
Distance to Surface Water: (pts.) <input type="checkbox"/>	
Ranking Score (Total Points): <input type="checkbox"/>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE 1/5/99	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 <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) Don't use as backfill.	
SIGNED: Karena L. Callado	DATE: 01-06-99

At. Apache N-12
Sec-11 T-25N R-4W uc-C
Conoco

LAND FARM DRAWING



Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9812018

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-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N-12 LF
Work Order:	9812018	Client Sample ID:	9812091142 6pt Composite
Lab ID:	9812018-05A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	12/9/98 11:42:00 AM
		COC Record:	7450

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	2500	25		mg/Kg	1	12/14/98

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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