

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

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

FEB 08 1999

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved

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 N17
Location: Unit C Sec 24 T 25^S 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 3 '
(Attach diagram) Reference: Wellhead ☒ Other _____
Footage from reference: 62'
Direction from reference: 75 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) 0

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) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 11/2/98

Date Completed: 12/21/98

Remediation Method: Excavation ☒

Approx. Cubic Yards 78

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 78

Other _____

Remediation Location: Onsite ☒

Offsite _____

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

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: 23'(N&S)X23'(E&W)X4'(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 4'

Sample date ~~11/2/98~~ 11/3/98

Sample time 0845 0810 LKT

Sample Results

Soil: Benzene (ppm) ND

Water: Benzene (ppb) _____

Total BTEX (ppm) 2.694

Toluene (ppb) _____

Field headspace (ppm) 670

Ethylbenzene (ppb) _____

TPH (ppm) ND

Method 8015

Total Xylenes (ppb) _____

Vertical Extent (ft) 4'

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:

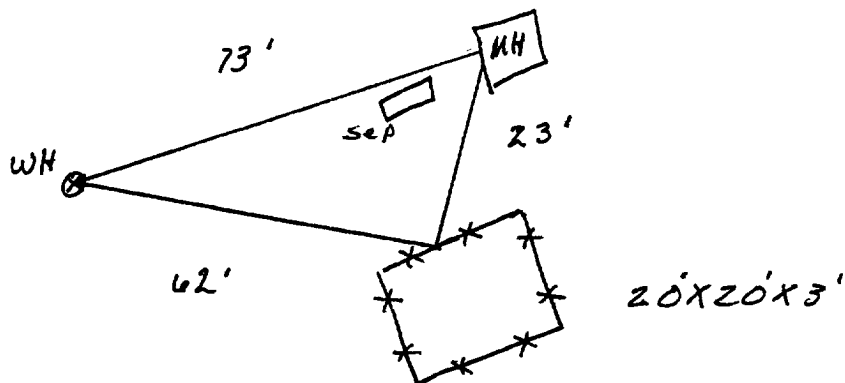
APPROVED: YES ☒ NO ☐ (REASON): _____

SIGNATURE: K. C. Mando

DATE: 12-15-98

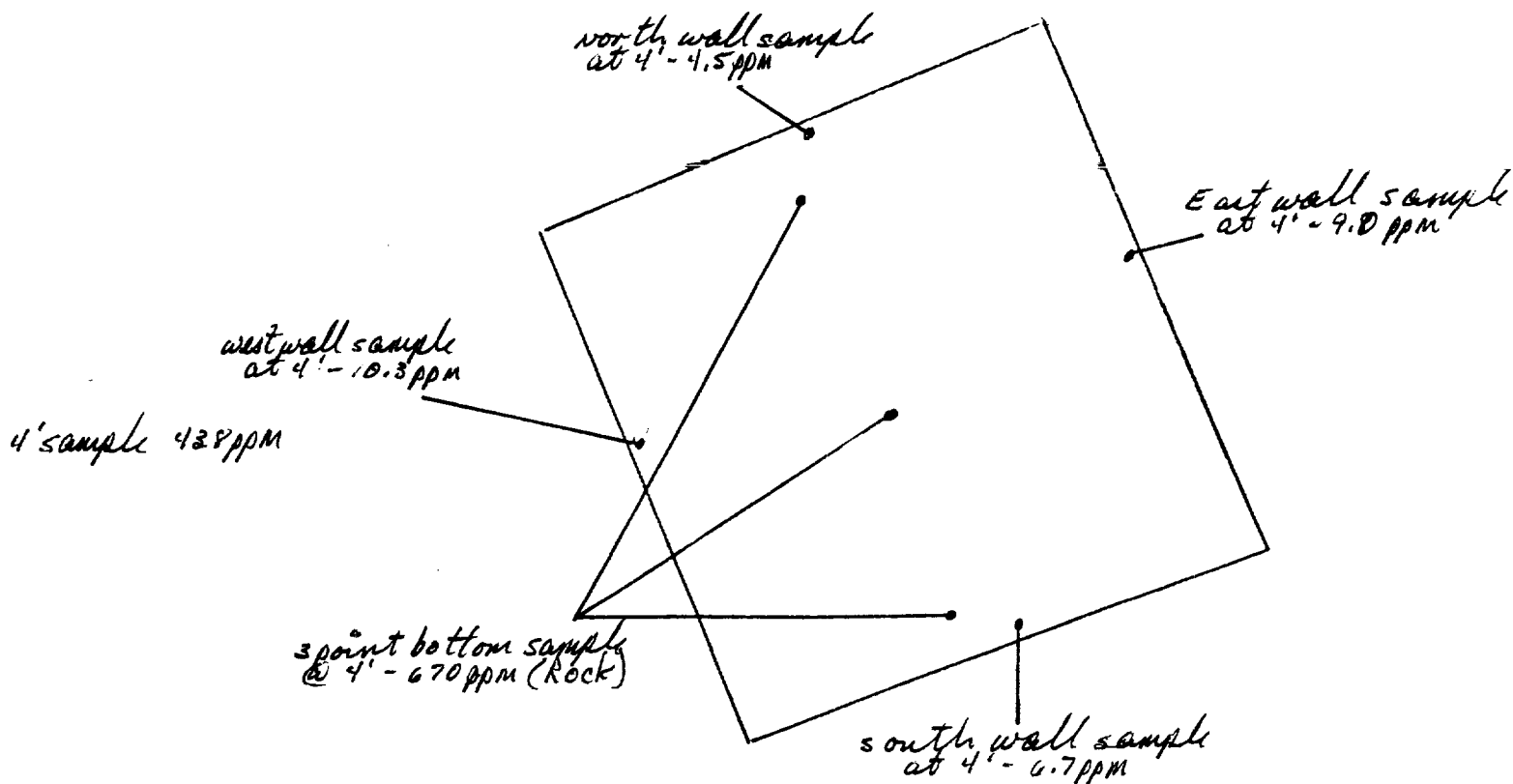
Axi Apache N17
 (C) 2-25N-4W
 CONOCO
 11-2-98

↑
N



Excavation Sampling

23'(N+S) x 23'(E+W) x 4'(D)



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: Jicarilla Pit Remediation
Lab Order: 9811017

CASE NARRATIVE

Analytical Comments for METHOD BTEX_S, SAMPLE 9811017-01A: E-Qualifier, value above Upper Quantitation Limit (UQL), for m,p-Xylene. This sample was re-analyzed in duplicate to confirm initial m,p-Xylene value. Upon re-analyses the initial value could not be replicated due to suspected loss of volatiles components. 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: 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N17
Work Order:	9811017	Client Sample ID:	9811030810; 3pt Bottom Comp
Lab ID:	9811017-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/3/98 8:10:00 AM
		COC Record:	5772

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/14/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	2		µg/Kg	2	11/7/98
Toluene	240	4		µg/Kg	2	11/7/98
Ethylbenzene	300	2		µg/Kg	2	11/7/98
m,p-Xylene	2100	4	E	µg/Kg	2	11/7/98
o-Xylene	54	2		µg/Kg	2	11/7/98

2694
2.694 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

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache N17
Work Order:	9811017	Client Sample ID:	9811030815; 4pt. Wall Comp
Lab ID:	9811017-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/3/98 8:15:00 AM
		COC Record:	5772

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/14/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	1		µg/Kg	1	11/7/98
Toluene	4.7	2		µg/Kg	1	11/7/98
Ethylbenzene	1.9	1		µg/Kg	1	11/7/98
m,p-Xylene	9	2		µg/Kg	1	11/7/98
o-Xylene	ND	1		µg/Kg	1	11/7/98

15.6
0156 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

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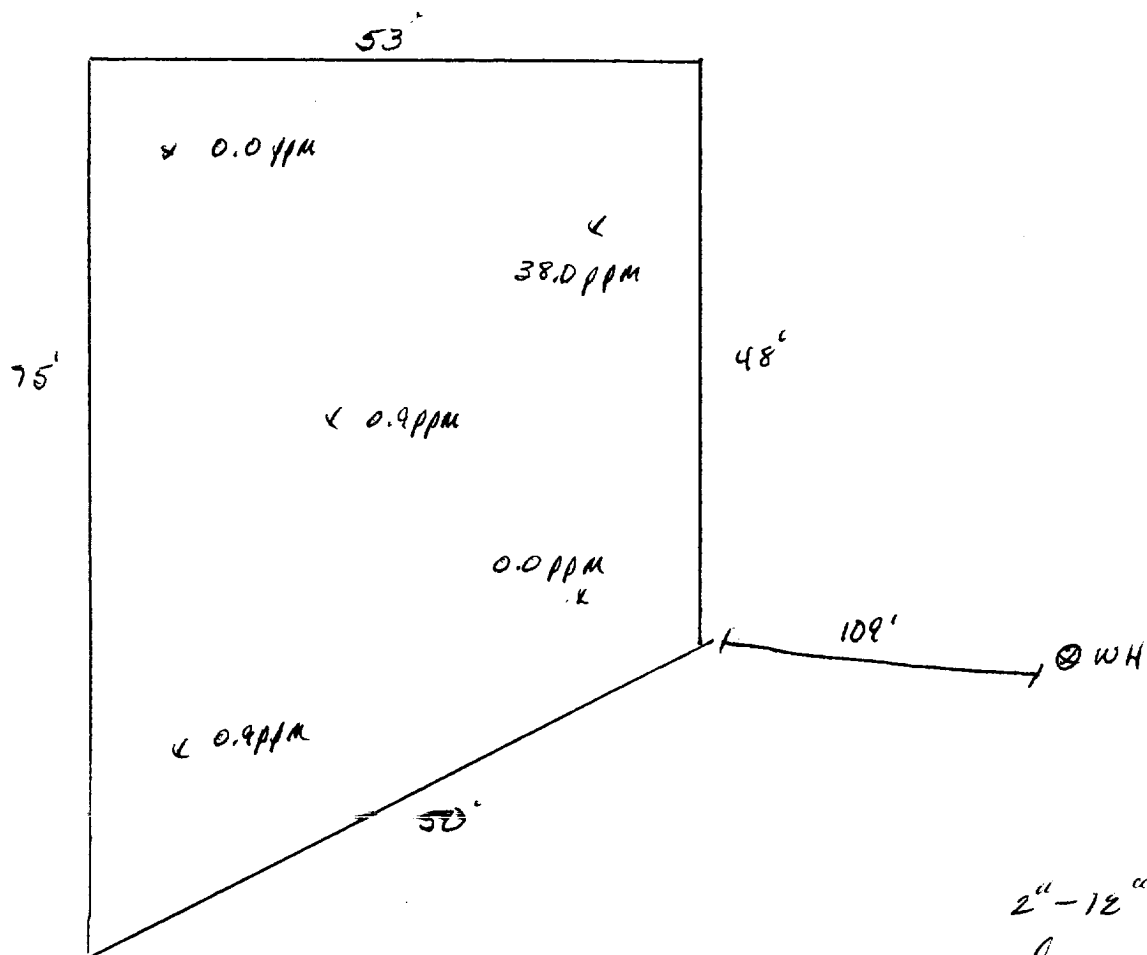
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

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 N17</u>	
Location: Unit: <u>C</u> Sec. <u>25</u> T. <u>26</u> N. R. <u>4</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>11-2-98</u> Date Completed: <u>12-9-98 12-11-98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>78</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</u> Distance to an Ephemeral Stream: (pts.) <u>0</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>0</u>	Final Closure Sampling: Sampling Date: <u>12-9-98</u> Time <u>0709</u> Sampling Results: Field Headspace (ppm) <u>85.8</u> TPH (ppm) <u>ND</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>12-16-98</u> PRINTED NAME <u>Roy Buchanan Ray Haston</u>	
SIGNATURE <u>Ray Haston</u> AND TITLE <u>Environmental Technician III</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>Ron C Mamm</u> DATE: <u>12-21-98</u>	

↑
N

Aki Apache N17
(C) 2-25N-4W
CONOCO



2"-12"
Head space - 85.8 ppm

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

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	Client Sample Info:	Axi Apache N-17 LF
Work Order:	9812016	Client Sample ID:	9812090709 6pt Composite
Lab ID:	9812016-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	12/9/98 7:09:00 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
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

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