

Denny G. Faust

JICARILLA APACHE TRIBE

DEPUTY OIL & GAS INSPECTOR

ENVIRONMENTAL PROTECTION OFFICE

FEB 08 1999

P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL - GAS
ADMINISTRATION

OK

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 J16

Location: Unit: D Sec. 7 T. 25 N R. 5 W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 18' width 18' depth 3'

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 42'

Direction from reference: 3 Degrees East of 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 1,000 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

RECEIVED
FEB - 1 1999
OIL CON. DIV.
DIST. 3

Date Remediation Started: 7-20-98 Date Completed: 9/3/98
Remediation Method: Excavation X Approx. Cubic Yards 40.44 MG
(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 40.44 MG
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 sidewall and bottom. The pit as excavated was situated in a sandstone formation. All 4 walls and the bottom were rock. Final excavation dimensions were: 12'(W) x 13'(E) x 7'(D)

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

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

Sample Location North, East, South and West sidewalls and excavation bottom.

Sample depth 7'

Sample date 7-20-98 Sample time 1145

Sample Results

Soil: Benzene (ppm) .470 Water: Benzene (ppb) _____

Total BTEX (ppm) 34.070 Toluene (ppb) _____

Field headspace (ppm) 1566 ^(side) 1433 ^(bottom) Ethylbenzene (ppb) _____

TPH 26 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 7-28-98

PRINTED NAME Ray Haston

SIGNATURE Ray Haston

AND TITLE Environmental Technician II

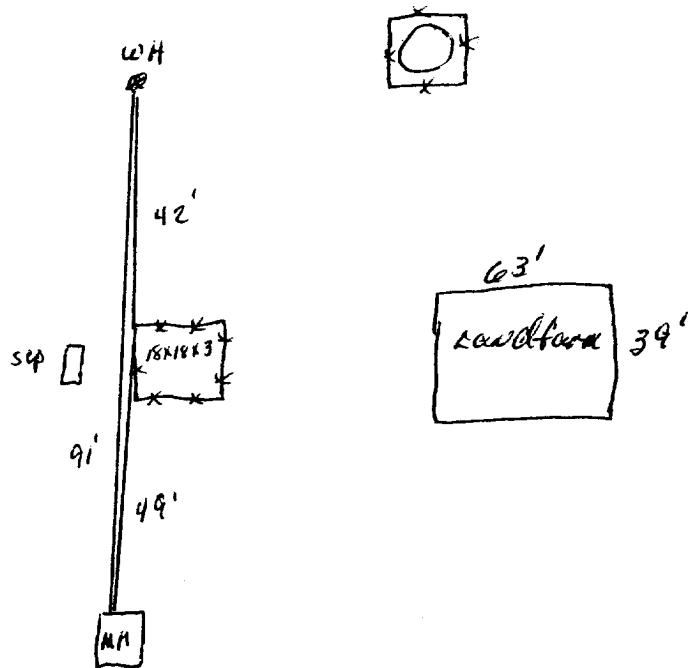
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kenn Marshall DATE: 7-28-98

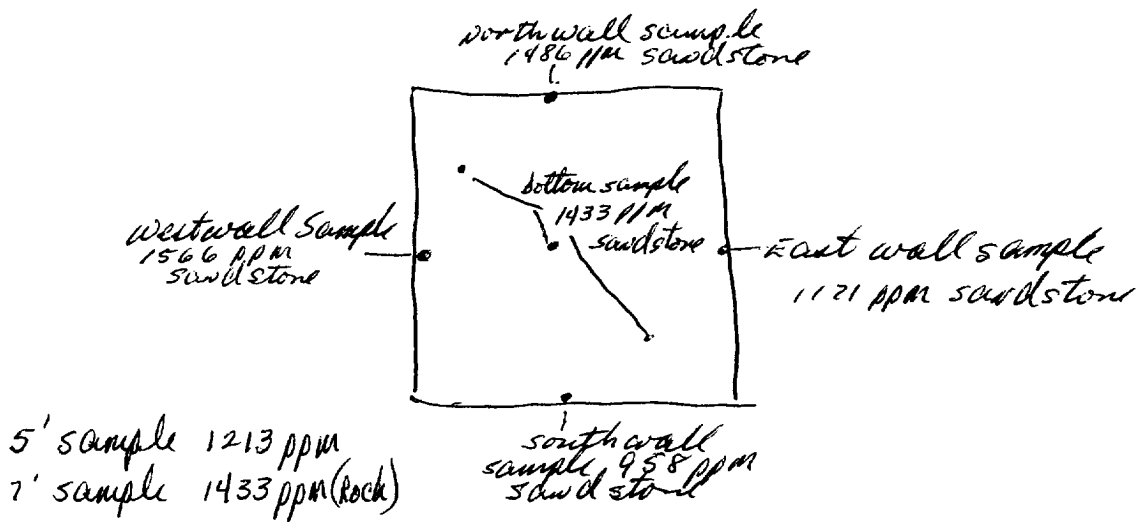
NE Apache J #10
 7-25N-5W unit D
 CONOCO
 7-20-98

N



Excavation sampling

12'(N+S) x 13'(E+W) x 7'(D)



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jul-98

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9807062

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: 28-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-16
Work Order:	9807062	Client Sample ID:	9807201145; Bottom
Lab ID:	9807062-04A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/20/98 11:45:00 AM
		COC Record:	5231

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
	SW8015					Analyst: HR
T/R Hydrocarbons: C10-C28	26	25		mg/Kg	1	7/28/98
BTEX						
	SW8020A					Analyst: HR
Benzene	470	250		µg/Kg	250	7/23/98
Toluene	7900	500		µg/Kg	250	7/23/98
Ethylbenzene	3400	250		µg/Kg	250	7/23/98
m,p-Xylene	18000	500		µg/Kg	250	7/23/98
o-Xylene	4300	250		µg/Kg	250	7/23/98

34070
34.070 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: 28-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-16
Work Order:	9807062	Client Sample ID:	9807201140; Walls
Lab ID:	9807062-03A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/20/98 11:40:00 AM
		COC Record:	5231

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
BTEX						
		SW8020A				Analyst: HR
Benzene	380	250		µg/Kg	250	7/23/98
Toluene	2400	500		µg/Kg	250	7/23/98
Ethylbenzene	2800	250		µg/Kg	250	7/23/98
m,p-Xylene	17000	500		µg/Kg	250	7/23/98
o-Xylene	3900	250		µg/Kg	250	7/23/98

26480
26.480 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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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 J16
Location: Unit: D Sec. 7 T. 25 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7-20-98 Date Completed: 8-21-98
Remediation Method: Landfarmed X Approx. cubic yards 40
Composted —
Other —

Depth to Ground Water: (pts.) 0
Distance to an Ephemeral Stream: (pts.) 0
Distance to Nearest Lake, Playa,
or Watering Pond: (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance to Surface Water: (pts.) 0
Ranking Score (Total Points): 0

Final Closure Sampling:

Sampling Date: 8-17-98 Time 1057
Sampling Results:
Field Headspace (ppm) 40.2
TPH (ppm) ND Method 8015
Other —

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

DATE 8-31-98 PRINTED NAME ~~Roy Burnham~~ Ray Haston
SIGNATURE Ray Haston 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

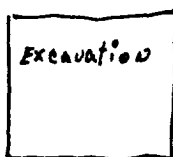
APPROVED: YES X NO — (REASON) use as Backfill
SIGNED: Kent M... DATE: 9-3-98

Axi Apache J#14 Landfarm
7-25N-5W unit D
CONOCO
7-20-98

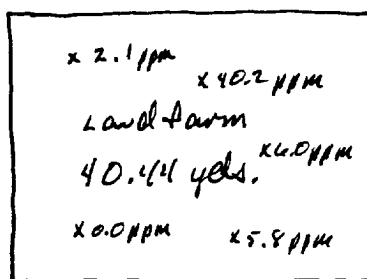
↑
N

WH 8

Sep



39'



39'

63'

MA

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: 9808036

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-16 LF
Work Order:	9808036	Client Sample ID:	9808171057; 5pt. Comp.
Lab ID:	9808036-16A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	8/17/98 10:57:00 AM
		COC Record:	7333/34/35

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	8/21/98

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

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