

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

04

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (*Williams*) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: *Axi Apache J25 Drip*
Location: Unit: *A* Sec. *7* T. *25 N* R. *5 W* County *Rio Arriba*
Pit Type: Separator _____ Dehydrator _____ Other *Line Drip*
Land Type: *Jicarilla Apache*

Pit Location: Pit dimensions: length *20'* width *20'* depth *3'*
(Attach diagram) Reference: wellhead *x* other *J25 WH.*
Footage from reference: *204*
Direction from reference: *14* Degrees *x* East North _____
_____ West of South *x*

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):

RECEIVED
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OIL CON. DIV.
DIST. 3

0
0
0
0
0
0

Date Remediation Started: 7-23-98 Date Completed: 12/15/98

Remediation Method: Excavation X Approx. Cubic Yards 284

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 284

Other _____

Remediation Location: Onsite _____ Offsite 284 yds. farmed on
(i.e., landfarmed onsite, name and location of offsite facility) ArizApache T29

General Description of Remedial Action:

Removed contaminated soil from all four sidewalls as to get a below
100ppm headspace reading. Bottom is rock.
Final excavation dimensions: 24'(E+W) X 20'(N+S) X 16'(D)

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South, and West Side Walls, and
3 point bottom composite

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

Sample depth 16'

Sample date 7-27-98 Sample time 1225

Sample Results

Soil: Benzene (ppm) N/D Water: Benzene (ppb) _____

Total BTEX (ppm) 6.0 Toluene (ppb) _____

Field headspace (ppm) 1521 Ethylbenzene (ppb) _____

TPH 420 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 8-17-98

PRINTED NAME Ray Haston

SIGNATURE Ray Haston

AND TITLE Environmental Technician

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): _____

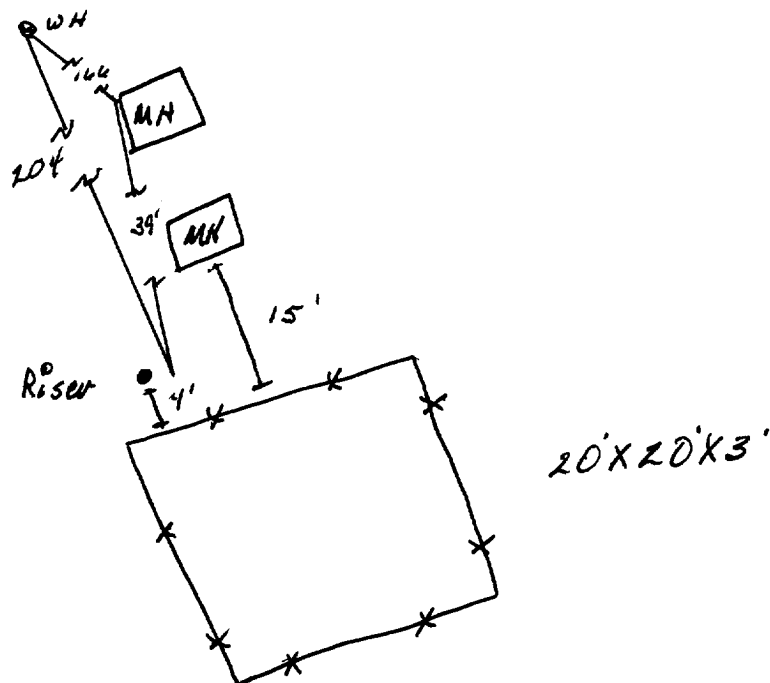
SIGNED: Kenn C Mc DATE: 8-18-98

Axi Apache J25 Drip

7-23-98

7-25N-5W Unit A

Williams

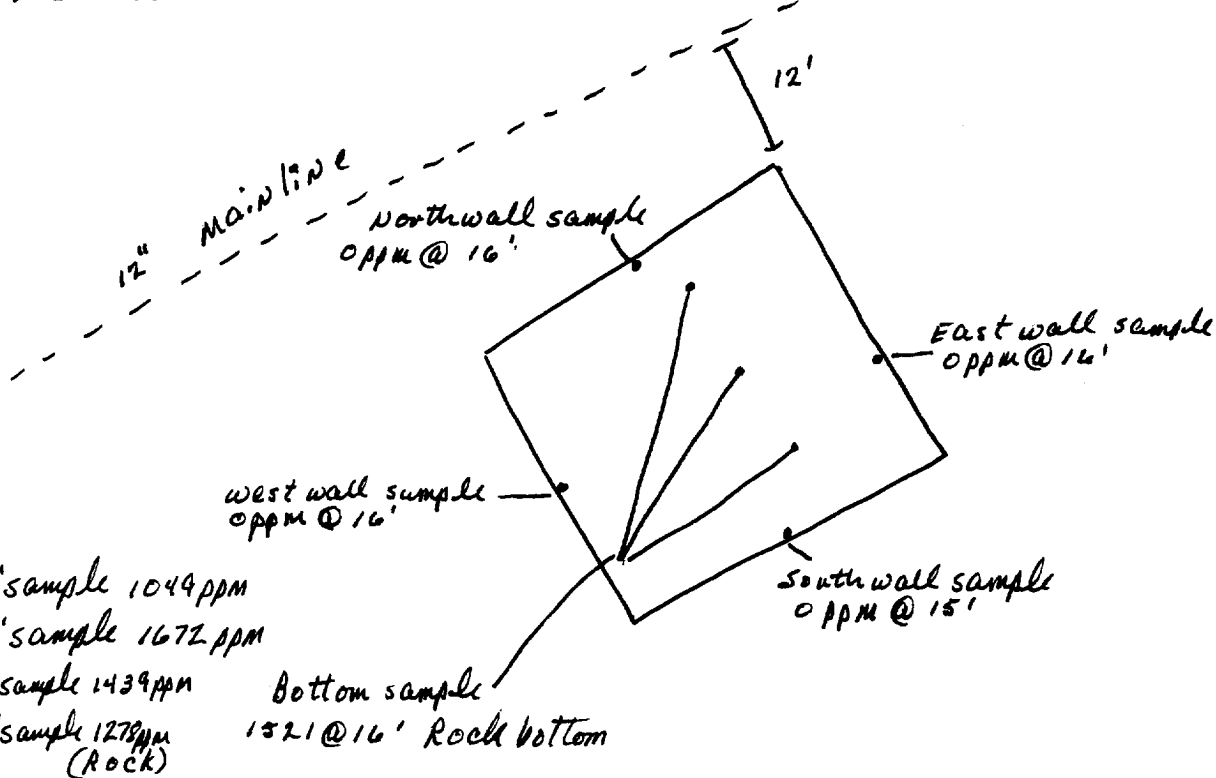


N

Axi Apache J25 Drip Excavation Sampling

7-27-98

24'(EW) x 20'(NS) x 16'(D)



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Aug-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807080

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: 10-Aug-98

Client: PNM - Public Service Company of NM
Work Order: 9807080
Lab ID: 9807080-02A **Matrix:** SOIL
Project: PNM Pit Remediation

Client Sample Info: Axi Apache J25 Drip
Client Sample ID: 9807271225; Bottom (3 point composite)
Collection Date: 7/27/98 12:25:00 PM
COC Record: 5247

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	420	25		mg/Kg	1	8/5/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	50		µg/Kg	50	8/6/98
Toluene	ND	100		µg/Kg	50	8/6/98
Ethylbenzene	600	50		µg/Kg	50	8/6/98
m,p-Xylene	3900	100		µg/Kg	50	8/6/98
o-Xylene	1500	50		µg/Kg	50	8/6/98

6000

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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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 10-Aug-98

Client: PNM - Public Service Company of NM
Work Order: 9807080
Lab ID: 9807080-01A **Matrix:** SOIL
Project: PNM Pit Remediation

Client Sample Info: Axi Apache J25 Drip
Client Sample ID: 9807271220; Walls (4 wall composite) *HH*
Collection Date: 7/27/98 12:20:00 PM
COC Record: 5247

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/30/98

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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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (WFS) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Axi Apache JLS Drip
Location: Unit: A Sec. 7 T. 25 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7-23-98 Date Completed: 10-14-98
Remediation Method: Landfarmed X Approx. cubic yards 284
Composted
Other Material into location; Excavation backfilled from borrow pit.

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: 10-12-98 Time 0724
Sampling Results:
Field Headspace (ppm) 12.5
TPH (ppm) 110 Method 8015
Other _____

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

DATE 12-12-98 PRINTED NAME Ray Burnham Ray Haston
SIGNATURE Ray Haston AND TITLE Environmental Technician III

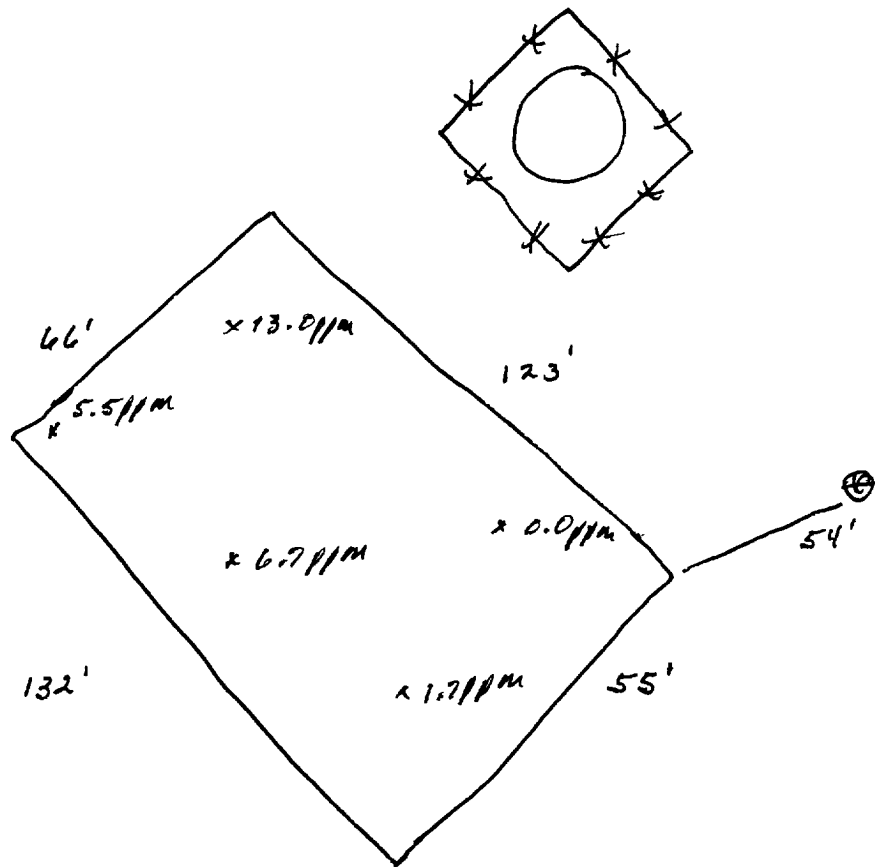
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE
JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES X NO _____ (REASON) NO Backfill
SIGNED: Ken C. M... DATE: 12-15-98

Axi Apache J25 Drip on Axi Apache J29

7-27-98

Axi Apache J25 Drip Land farm



2" - 12"
Head space - 12.5 ppm

Not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 16-Oct-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9810037

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: 16-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-25 Drip LF
Work Order:	9810037	Client Sample ID:	9810120724; 6pt. Comp.
Lab ID:	9810037-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	10/12/98 7:24:00 AM
		COC Record:	7512

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	110	25		mg/Kg	1	10/14/98

Excavation was back filled with clean material from borrow pit. Farm was bladed off, into location

Qualifiers:

- PQL - Practical Quantitation Limit
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- S - Spike Recovery outside accepted recovery limits
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