

Denny & Fort
DEPUTY OIL & GAS INSPECTOR

FEB 08 1994

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

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (CONDCO) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla KS
Location: Unit: D Sec. 12 T. 25 N R. 5 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: 53'
Direction from reference: 20 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)
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

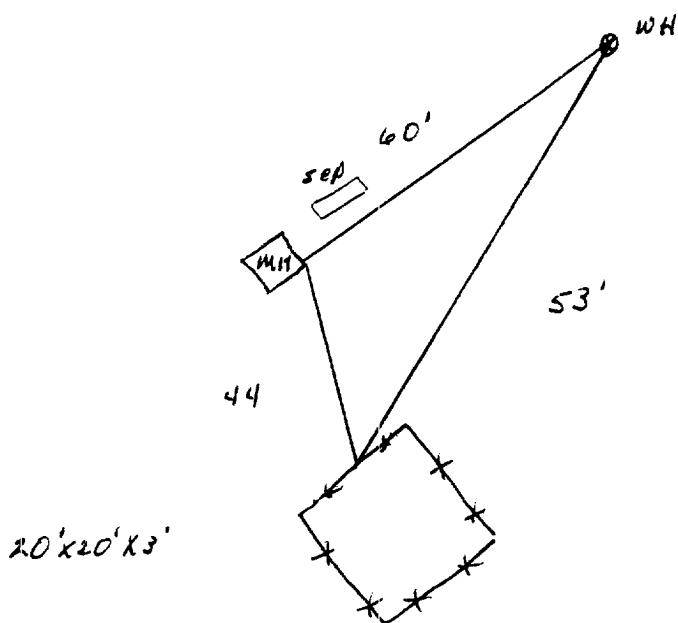
RANKING SCORE (TOTAL POINTS) :

0

Date Remediation Started: <u>10-9-98</u>		Date Completed: <u>12/15/98</u>	
(Check all appropriate sections)	Remediation Method:	Excavation <u>X</u>	Approx. Cubic Yards <u>138</u>
		Landfarmed <u>X</u>	Amount Landfarmed (cubic yds): <u>138</u>
	Other _____		
Remediation Location:		Onsite <u>X</u>	Offsite _____
(i.e., landfarmed onsite, name and location of offsite facility)			
General Description of Remedial Action: <u>Removal of contaminated soil from all four sidewalls as to get a below 100ppm head space reading. Bottom is rock.</u> <u>Final excavation dimension: 30'(N+S)X31'(E+W) X 4' (D)</u>			
Ground Water Encountered: No <u>X</u> Yes _____ Depth _____			
Final Pit Closure Sampling: (if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample Location		<u>North, East, South, and West sidewalls and a three point composite sample of the rock bottom</u>
	Sample depth		<u>4'</u>
	Sample date		<u>10-9-98</u>
	Sample time		<u>0835 0830</u>
	Sample Results		
	Soil: Benzene (ppm)		<u>N/D</u>
	Water: Benzene (ppb)		_____
	Total BTEX (ppm)		<u>0.012</u>
	Toluene (ppb)		_____
	Field headspace (ppm)		<u>294</u>
Ethylbenzene (ppb)		_____	
TPH <u>N/D</u> ppm		Method <u>8015</u>	Total Xylenes (ppb) _____
Ground Water Sample: Yes _____ No _____ (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 <u>10-22-98</u>		PRINTED NAME <u>Ray Haston</u>	
SIGNATURE <u>Ray Haston</u>		AND TITLE <u>Environmental Technician</u>	
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.			
APPROVED: YES <u>X</u> NO _____ (REASON): _____			
SIGNED: <u>K. C. M. [Signature]</u>		DATE: <u>11-2-98</u>	

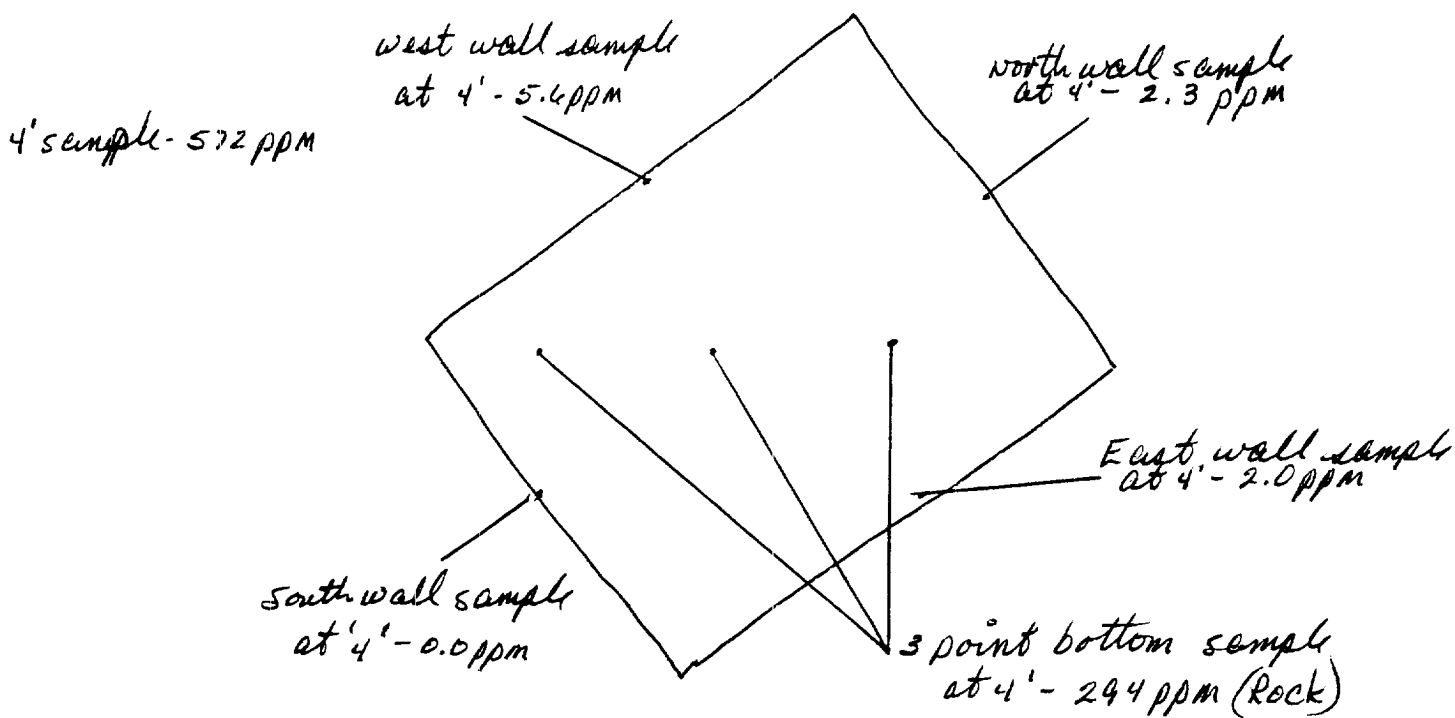
Jicarilla K8
(D) 12-25N-5W
CONOCO
10-8-98

↑
N



Excavation Sampling

30'(N+S) x 31'(E+W) x 4' (D)



not to scale



On Site Technologies, LTD.

Date: 21-Oct-98

CLIENT:	PNM - Public Service Company of NM	CASE NARRATIVE
Project:	Jicarilla Pit Remediation	
Lab Order:	9810028	

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.



ANALYTICAL REPORT

Date: 21-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla K8
Work Order:	9810028	Client Sample ID:	9810090830; 3pt. Comp Bottom
Lab ID:	9810028-04A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	10/9/98 8:30:00 AM
		COC Record:	5764

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/19/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	2		µg/Kg	2	10/16/98
Toluene	ND	4		µg/Kg	2	10/16/98
Ethylbenzene	2.4	2		µg/Kg	2	10/16/98
m,p-Xylene	9.6	4		µg/Kg	2	10/16/98
o-Xylene	ND	2		µg/Kg	2	10/16/98

12
• 012 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



ANALYTICAL REPORT

Date: 21-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla K8
Work Order:	9810028	Client Sample ID:	9810090835; 4pt. Comp Walls
Lab ID:	9810028-05A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	10/9/98 8:35:00 AM
		COC Record:	5764

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

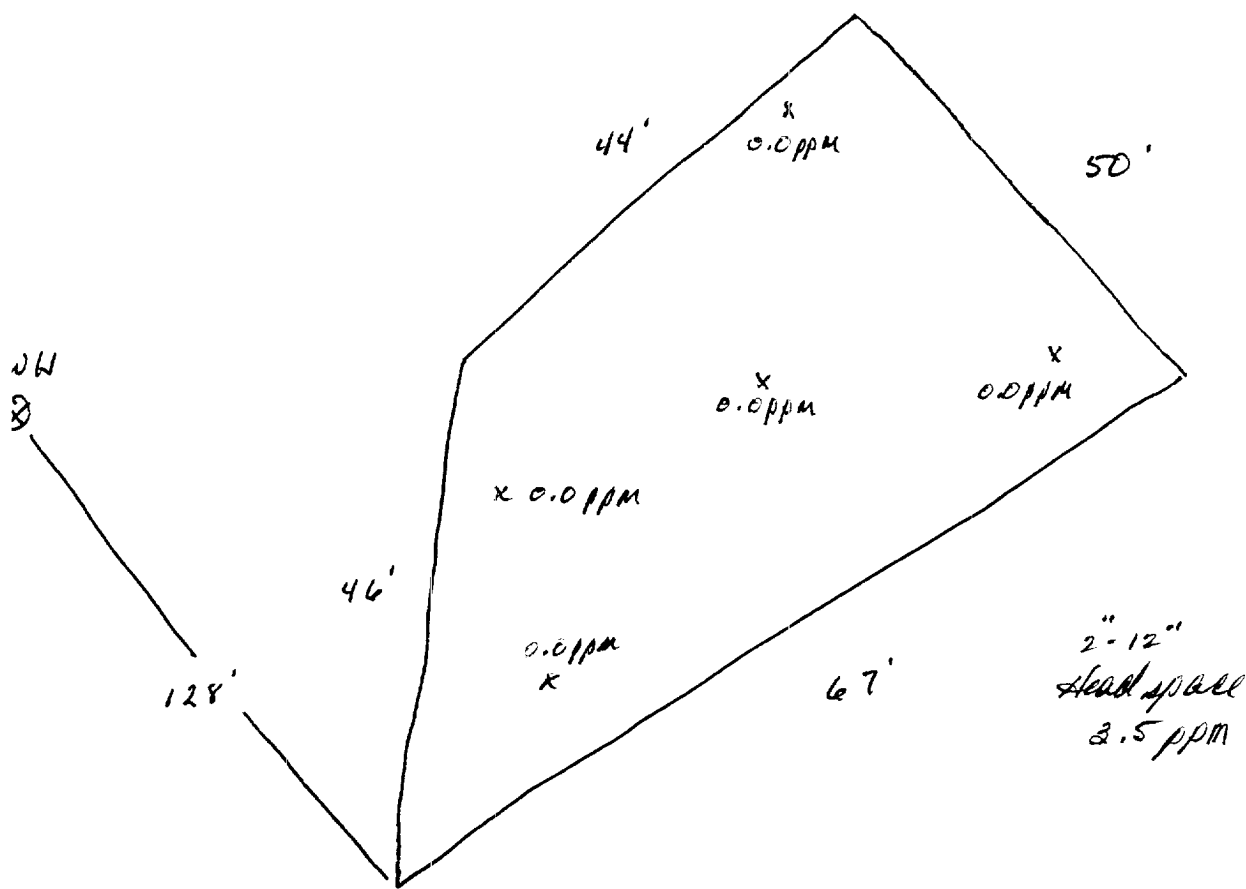
Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

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AND OIL GAS
ADMINISTRATION

Operator: <u>PNM Gas Services (CONOCO)</u>		Telephone: <u>324-3764</u>	
Address: <u>503 W. Elm Street Farmington, NM 87401</u>			
Facility or Well Name: <u>Jicarilla Ks</u>			
Location:	Unit: <u>D</u>	Sec. <u>12</u> T. <u>25</u> N R. <u>5</u> W	County <u>Rio Arriba</u>
Land Type: <u>Jicarilla Apache</u>			
Date Remediation Started: <u>10-9-98</u>		Date Completed: <u>11-24-98</u>	
Remediation Method: Landfarmed <input checked="" type="checkbox"/>		Approx. cubic yards <u>138</u>	
Composted <input type="checkbox"/>			
Other <input type="checkbox"/>			
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>11-16-98</u> Time <u>1330</u> Sampling Results: Field Headspace (ppm) <u>3.5</u> TPH (ppm) <u>ND</u> Method <u>POIS</u> Other _____	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF DATE <u>12-4-98</u> PRINTED NAME <u>Roy Burnham 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 <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) <u>was as Book full</u> SIGNED: <u>K. C. Mammell</u> DATE: <u>12-15-98</u>			

Jicarilla K 8
(D) 12-25N-5W
CONOCO
138 yds.

71
N



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Nov-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation
Lab Order: 9811057

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.



ANALYTICAL REPORT

Date: 30-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla K-8 LF
Work Order:	9811057	Client Sample ID:	9811161330 6pt Composite
Lab ID:	9811057-06A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/16/98 1:30:00 PM
		COC Record:	7403

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/24/98

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
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate