DEPUTY OIL & GAS INSPECTOBICAPILLA APACHE TRIBE

RISK

FEB 0 & 1999 ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

AMONER

P.O. BOX 507 DULCE, NEW MEXICO 87528

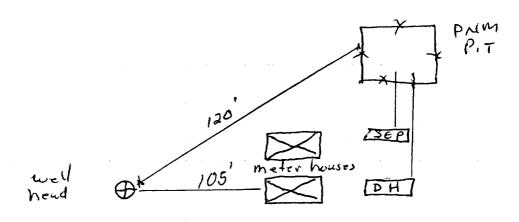
PIT REMEDIATION AND CLOSURE REPORT

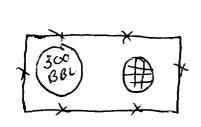
Operator: PNM Gas Services (BRO	C) Telephone:	324-3764				
Address: 603 W. Elm Street Farmington, NM 87401						
Facility or Well Name: ARIZONA JIC	CARILLA A-5A					
Location: Unit: K	T. <u>25 N</u> R. <u>4 W</u> Co	ounty Rio Arriba				
Pit Type: Separator Dehydrator	Other					
Land Type:		· · · · · · · · · · · · · · · · · · ·				
Pit Location: Pit dimensions: length	<u>ao'</u> width <u>ao'</u>	depth 3				
(Attach diagram) Reference: wellhead	d X other					
Footage from reference:	54' 120"					
Direction from reference: 4	15 Degrees East	North				
· ····· ,	y West ✓	South X				
Depth to Ground Water:	Less than 50 feet	(20 points)				
Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water) DECE	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)				
(Vertical distance from contaminants to seasonal high water elevation of ground water) Wellhead Protection Area: DECE!	50 feet to 99 feet Greater than 100 feet Yes	(10 points)				
(Vertical distance from contaminants to seasonal high water elevation of ground water)	50 feet to 99 feet Greater than 100 feet	(10 points) (0 points)				
(Vertical distance from contaminants to seasonal high water elevation of ground water) Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources) Distance to Surface Water:	50 feet to 99 feet Greater than 100 feet Yes No	(10 points) (0 points) (20 points) (0 points) (20 points) (10 points)				
(Vertical distance from contaminants to seasonal high water elevation of ground water) Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)	50 feet to 99 feet Greater than 100 feet 1999 Yes No Less than 200 feet	(10 points) (0 points) (20 points) (0 points)				
(Vertical distance from contaminants to seasonal high water elevation of ground water) Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources) Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams,	50 feet to 99 feet Greater than 100 feet 1999 Yes No Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet Less than 200 feet	(10 points) (0 points) (20 points) (0 points) (10 points) (10 points) (10 points)				
(Vertical distance from contaminants to seasonal high water elevation of ground water) Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources) Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10	50 feet to 99 feet Greater than 100 feet Yes No Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(10 points) (0 points) (20 points) (0 points) (10 points) (10 points) (10 points)				
(Vertical distance from contaminants to seasonal high water elevation of ground water) Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources) Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient	50 feet to 99 feet Greater than 100 feet 1999 Yes No Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet Less than 200 feet	(10 points) (0 points) (20 points) (0 points) (10 points) (10 points) (10 points)				

Date Remediation Started	: _11/17/98	_ Date Completed:	12/28/98		
Remediation Method:	Excavation X	Approx. Cubic Yards	3125		
(Check all appropriate	Landfarmed X	Amount Landfarmed (cu	bic yds): 1000		
sections)	Other	2015	cu.yds		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X IIIO (1	unds Offsite TNT L			
Removed cor as to get a 1s sandstone excavation	ntaminated soil	from all four space reading 1 e of Pit both X 108' X 17'.	Pit bottom		
Ground Water Encounte	red: No X Yes	Depth			
Final Pit Closure Sampling:	Sample Location North, and	EAST, South, u	pest side walls		
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth Sample date 17' Sample Results	Sample time	7043 1044(KZ)		
Soil: E	Benzene (ppm) <u> </u>	Water: Benzene	(ppb)		
Т	otal BTEX (ppm81/	Toluene	(ppb)		
F	Teld headspace (ppm) 938	-	zene (ppb)		
Т	PH <u>45 ppm</u> Method	8015	enes (ppb)		
Ground Water Sample	: Yes No	(If yes, attac	h sample results)		
I HEREBY CERTIFY THA KNOWLEDGE AND MY B	T THE INFORMATION ABOVE IS ELIEF	TRUE AND COMPLETE TO	THE BEST OF MY		
DATE	4	NTED NAME Roy Burnh			
SIGNATURE Ry B.	uenha AN	D TITLE Environment	al Technician II		
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.					
APPROVED: YES	NO (REASC	N):	· · · · · · · · · · · · · · · · · · ·		
SIGNED:	- Mand DA	TE: <u>17-71-9</u>	8		

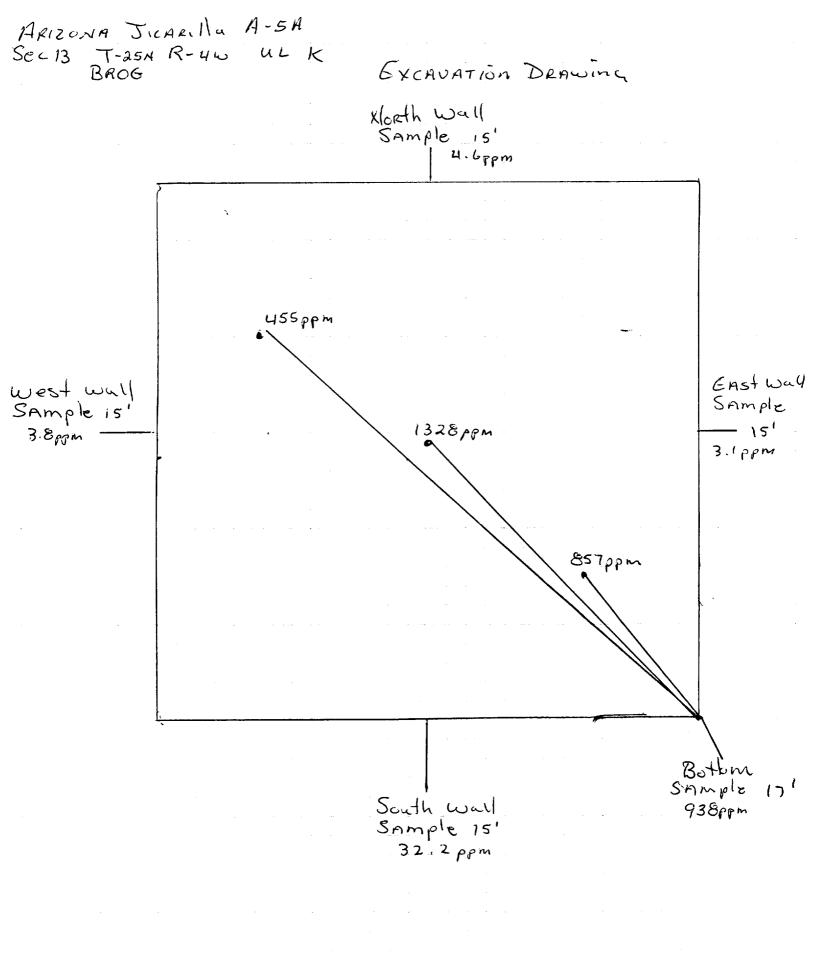
ARIZONA JICHRILLA A-5A Sec-13 T-2514 R-46 UCK BROG

Site Denwing









LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Jicarilla Pit Remediation

Lab Order:

9812002

CASE NARRATIVE

Date: 15-Dec-98

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.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 15-Dec-98

Client:

PNM - Public Service Company of NM

Work Order:

9812002

Lab ID:

9812002-02A

Matrix: SOIL

Project:

Jicarilla Pit Remediation

Client Sample Info: Arizona Jicarilla A-5A

Client Sample ID: 9811301044; 3pt. Comp. Bottom

Collection Date: 11/30/98 10:44:00 AM

COC Record: 7198

Parameter	Result	PQL Q	ual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	45	25	mg/Kg	1	12/10/98
втех	SW8020A				Analyst: HR
Benzene	ND	5	μg/Kg	5	12/3/98
Toluene	ND	10	μg/Kg	5	12/3/98
Ethylbenzene	58	5	μg/Kg	5	12/3/98
m,p-Xylene	670	10	μg/Kg	5	12/3/98
o-Xylene	83	5	μg/Kg	5	12/3/98

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

Sum: - Surrogate

1 of 1



LAB: (505) 325-1556

Date: 15-Dec-98

ANALYTICAL REPORT

Client:

PNM - Public Service Company of NM

Work Order:

9812002

9812002-01A

Matrix: SOIL

Lab ID: Project:

Jicarilla Pit Remediation

Client Sample Info: Arizona Jicarilla A-5A

Client Sample ID: 9811301043; 4pt. Comp. Walls

Collection Date: 11/30/98 10:43:00 AM

COC Record: 7198

Parameter	Result	PQL	Qual Units	D	F	Date Analyzed
DIESEL RANGE ORGANICS	SW8015					Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	• 1	I	12/4/98

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

I of I

JICARILLA APACHE TRIBE

ENVIRONMENTAL

PROTECTION OFFICE

P.O. BOX 507

DULCE, NEW MEXICO 87528

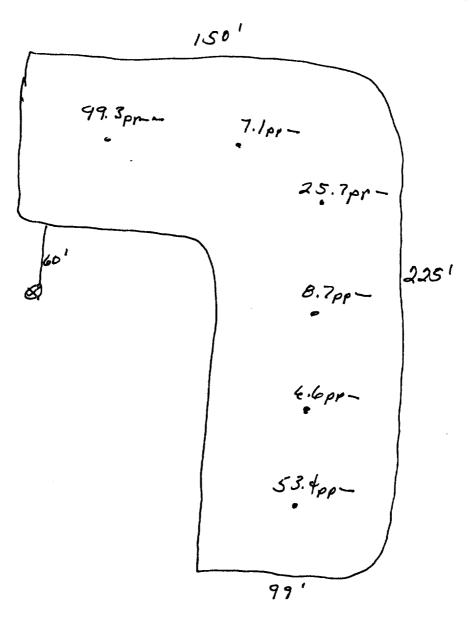
SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (BROG) Telephone: 324-3764					
Address: 603 W. Elm Street Farmington, NM 87401					
Facility or Well Name: ARIZONA JICARILL A-5A					
ocation: Unit: K Sec. 13 T. 25 N R. 4 W County Rio Arriba					
and Type:					
Date Remediation Started: 11/17/96 Date Completed: 12/18/98 Remediation Method: Landfarmed X Approx. cubic yards 1110 R4D Composted Other					
Depth to Ground Water: (pts.) <u>Ø</u> Final Closure Sampling:					
Distance to an Ephemeral Stream: (pts.) Sampling Date: 12/10/98 Time 0840					
Distance to Nearest Lake, Playa, (pts.) Ø Sampling Results:					
Wellhead Protection Area: (pts.) $\frac{\cancel{q}}{\cancel{q}}$ Field Headspace (ppm) $\frac{99.3}{\cancel{q}}$ Method 80/5					
Distance to Surface Water: (pts.) Other Other					
Ranking Score (Total Points):					
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF					
DATE /2/28/98 PRINTED NAME Roy Burnham					
DATE 12/28/98 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 NO (REASON)					
SIGNED: 12-28-98					

Sec. 13 TASN RHW Unit K BROG

LAdfann Drawing





LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Jicarilla Pit Remediation

Lab Order:

9812026

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.

TECHNOLOGIES, LTD.

LAB: (505) 325-1556 OFF: (505) 325-5667

ANALYTICAL REPORT

PNM - Public Service Company of NM

Work Order: 9812026

Lab ID:

9812026-07A

Matrix: SOIL

Project:

Client:

Jicarilla Pit Remediation

Client Sample Info: Arizona Jicarilla A-5A LF

Client Sample ID: 9812100840; 6pt. Composite

Date: 21-Dec-98

Collection Date: 12/10/98 8:40:00 AM

COC Record: 7447

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25	mg/ Kg	1	12/18/98

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 1 of 1