## DEPUTY OIL & GAS INSPECTOR

FEB 2 6 1998

### 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

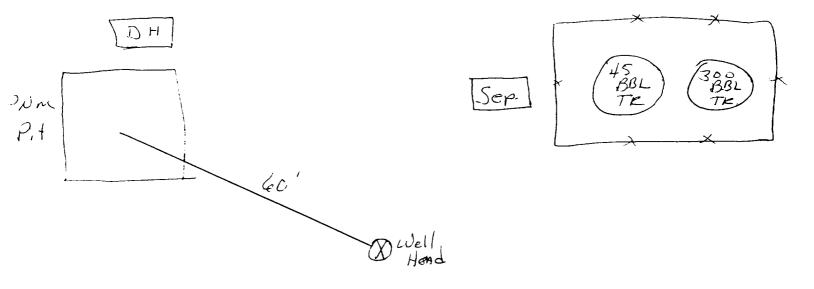
PIT REMEDIATION AND CLOSURE REPORT

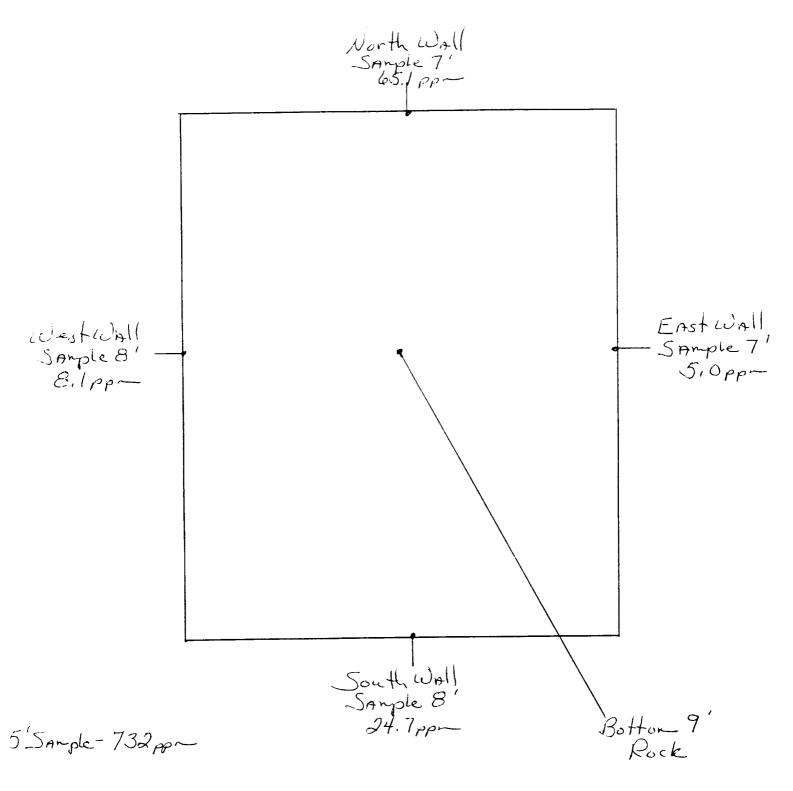
	11411 000 00	vices (BRCG	Telephone:	324-3764
idress:	603 W. Eim Street	Farmington, NM 8740	1	
		Ticarilla G-	FIE	
icility or v	Well Name:			unty Rio Arriba
ocation:	Unit:	Sec/		1110711110
it Type:	Separator	Dehydrator —	Other	
and Type	: Jicarilla Apache		_	
	on: Pit dimer	nsions: length	27 width $22$	depth 9
Attach dia		ce: wellhead	× other	
Allacii Gio		from reference:		
				North
	Direction	n from reference: 30		/·····
			West	South
Depth to (	Ground Water:		Less tnan 50 feet 50 feet to 99 feet	(20 points)
Vertical distance			On test to an issu	(10 points)
to sessonal high	trom contaminants water elevation of	DEW BURN	Greater than 100 feet	( 0 points)
to sessoner (vigh ground water)	Mater elevation of	DECENA		( 0 points)
() sessions right ground water) Wellhead	Protection Area:	DECENVE Nov - 3 1991	Greater than 100 feet  Yes No	( 0 points)
() sessions right ground water) Wellhead	Protection Area: est from a private domestic tess than 1,000 feet from all		Greater than 100 feet Yes No	(20 points) (0 points)
o sessons right ground water)  Wellhead  (Less than 200 fi water source, or other water sour	Protection Area: est from a private domestic ; sess then 1,000 feet from all	01L G0M. D	Greater than 100 feet  Yes No  Less than 200 feet	( 0 points)
Wellhead (Lass tren 200 f water source, or other water sour  Distance (Horizontal dist	Protection Area:  est from a private domestic : sess then 1,000 feet from all cost)  to Surface Water: ance to perennial		Greater than 100 feet Yes No	(20 points) (20 points) (20 points)
Wellhead (Lass tren 200 f water source or other water sour  Distance (Horizontal dist lakes, ponds, ri creeks, srigatio	Protection Area: set from a private domestic set from 1,000 feet from all cost)  to Surface Water: ance to perennial vers, streems. In canada and deches)	011L GOM. D DUT. 3	Greater than 100 feet  Yes No  Less than 200 feet 200 feet to 1.000 feet Greater than 1.000 feet	(20 points) (20 points) (20 points) (20 points) (10 points)
Wellhead (Less then 200 f water source, or other water sour  Distance (Horzontal dist lakes, ponds, r creeks, srigatio	Protection Area:  set from a private domestic (sess than 1,000 feet from all rose)  to Surface Water: sence to perennial vers. streems. In canasis and decrees)  to Ephemeral Street	011L GOM. D DUT. 3	Greater than 100 feet  Yes No  Less than 200 feet 200 feet to 1,000 feet	(20 points) (20 points) (20 points) (20 points) (10 points) (0 points)
Wellhead (Less tren 200 f water source, or other water sour Distance (Horzontal deti- lakes, ponds, ri creeks, srigatio (Horzontal det streams navan	Protection Area: set from a private domestic set from 1,000 feet from all cost)  to Surface Water: ance to perennial vers, streems. In canada and deches)	011L GOM. D DUT. 3	Greater than 100 feet  Yes No  Less than 200 feet 200 feet to 1.000 feet Greater than 1.000 feet  Less than or equal to 100 feet Greater than 100 feet	(20 points) (20 points) (20 points) (20 points) (10 points) (10 points)
Wellhead (Less wen 200 f water source, or other water sour Distance (Horzontal distributes, ponds, r creeks, singato Distance (Horzontal distributes, ponds, r creeks, singato (Horzontal dist streams naving feet)	Protection Area:  est from a private domestic ; sess then 1,000 feet from all rose)  to Surface Water: ance to perennial vers. streams. in carass and deches)  to Ephemeral Streams are to all downgradient as width of at least 10	011L GON. D DET. 3 am (dry wash):	Greater than 100 feet  Yes No  Less than 200 feet 200 feet to 1.000 feet Greater than 1.000 feet Less than or equal to 100 feet	(20 points) (20 points) (20 points) (20 points) (10 points) (10 points) (10 points) (10 points)
Wellhead (Less tren 200 f water source, or other weser sour  Distance (Hortzontal dist lakes, ponds, r creeks, srigsto  Distance (Hortzontal dist streams naving feet)  Distance Pond:	Protection Area:  est from a private domestic (sess than 1,000 feet from all rose)  to Surface Water: enous to perennial vers, streems, in canase and detches)  to Ephemeral Streat tance to all downgradient ps width of at least 10  et to Nearest Lake, P	011L GON. D DET. 3 am (dry wash):	Greater than 100 feet  Yes No  Less than 200 feet 200 feet to 1.000 feet Greater than 1.000 feet  Less than or equal to 100 feet Greater than 100 feet Less than or equal to 100 feet	(20 points) (20 points) (20 points) (20 points) (10 points) (0 points)
Wellhead (Less then 200 f water source, or other water sour Distance (Horzontal dist lakes, ponds, ri creeks, sripado Distance (Horzontal dist streams naven feet) Distance (Horzontal dist streams naven feet) (Horzontal dist	Protection Area:  est from a private domestic ; sess then 1,000 feet from all rose)  to Surface Water: ance to perennial vers. streams. in carass and deches)  to Ephemeral Streams are to all downgradient as width of at least 10	011L GON. D DET. 3 am (dry wash):	Greater than 100 feet  Yes No  Less than 200 feet 200 feet to 1.000 feet Greater than 1.000 feet  Less than or equal to 100 feet Greater than 100 feet Less than or equal to 100 feet	(20 points) (20 points) (20 points) (20 points) (10 points) (10 points) (10 points) (10 points)

Date Remediation Started:	6/25/97	Date Completed:	8/25/97
Remediation Method:	Excavation X	Approx. Cubic Yards	/98
(Check all appropriate	Landfarmedx	Amount Landfarmed (cub	ic yds): <u>/ 98</u>
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	OnsiteX	Offsite	
	taminated soil	from All fo heard space	ur side walls
Ground Water Encounte	ered: No Ye	s Depth	
Final Pit Closure Sampling:	Sample Location Non	1	th And
(if multiple samples, attach sample result and diagram of	Sample depth 8		
sample locations and depths.)	<del></del>	Sample time	<u> /038</u>
	Sample Results  Benzene (ppm)	Water: Benzene	e (daa)
Soli:	Total BTEX (ppm 0.03		
	<del></del>	<del></del>	nzene (ppb)
	TPH <u>ND</u> ppm Method	Total Xy	rienes (ppb)
. Ground Water Samp		lo <u>×</u> (If yes, atta	ch sampl <b>e results</b> )
I HEREBY CERTIFY TH	IAT THE INFORMATION ABOVE	IS TRUE AND COMPLETE T	O THE BEST OF MY
DATE	/ /	PRINTED NAME Ronald	A. Dedrick
SIGNATURE Ra	old A. Dadrick	AND TITLE Environme	ntal Techni <b>cian II</b>
AFTER REVIEW OF T TO JICARILLA APACH	HE PIT CLOSURE INFORMATION HE TRIBE PIT CLOSURE ORDIN	ON, PIT CLOSURE IS APPRO ANCE.	VED IN ACCORDANCE
APPROVED: YES	<u>×</u> NO (RE	ASON): Spray + do	5-£
SIGNED: Kuu	Contemule -	DATE: 7-3-97	

JEARILLA G-1E Sec. 1 T26NRSW UnitF BROG







OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: Denver Bearden Company: PNM Gas Services

Date: COC No.: 2-Jul-97

Address: 603 W. Elm

5497

City, State Farmington, NM 87401

Sample No.: Job No.: 15091

Project Name:

PNM Gas Services - Jicarilla G-1E

2-1000

**Project Location:** 

9706251038; 4pt. Composite

Sampled by:

ΤE

Date: Date:

2-Jul-97

25-Jun-97 Time:

10:38

Analyzed by: Sample Matrix: DC/HR Soil

### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure	
Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg	

ND - Not Detected at Limit of Quantitation

### Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Continuing Cambration Termoation								
	Method	Unit of	True	Analyzed		RPD		
Parameter	Blank	Measure	Value	Value	RPD	Limit		
Diesel Range (C10 - C28)	ND	ppm	200	197	1.6	15%		

Matrix Spike

matix opine							
	1- Percent	2 - Percent			RPD		
Parameter	Recovered	Recovered	Limit	RPD	Limit		
			:				
Diesel Range (C10-C28)	92	95	(70-130)	3	20%		

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

2-Jul-97

Company: PNM Gas Services

COC No.:

5497

Sample No.:

15091

City, State Farmington, NM 87401

Address: 603 W. Elm

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla G-1E

**Project Location:** 

9706251038; 4pt. Composite

Sampled by:

TE

Date: Date: 25-Jun-97 Time:

10:38

Analyzed by: Sample Matrix: DC Soil 30-Jun-97

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	1	ug/kg
Toluene		3	ug/kg	1	u <b>g/kg</b>
Ethylbenzene		1	ug/kg	1	ug/kg
m,p-Xylene		21	ug/kg	1	ug/kg
o-Xylene		2	ug/kg	1	ug/kg
	TOTAL	27	ug/kg		

Laboratory Analysis

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by:

Date:

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

# JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

### ON-SITE SOIL REMEDIATION REPORT

		-				324-3764		
Operator:	PNM Gas	Services	(BKO)	(j. <u>)</u>	Telephone:	324-3/04		
Address:	603 W. Elm Str	eet Farmingto	on. NM 87401			·	<del></del>	
Facility or W	/eli Name:	JICAr	illa G.	1E				
Location:	Unit:	F	Sec/	T. <u>-</u>	26 N R.	.5 w	County	Rio Amba
Land Type:	Jicanila Apa	cne						
Date Remediation M	<b>fethod:</b> Lar	mposted	5/97 X		Date Comple Approx. cubic y		7/8/9 198	7
1	Depth to Ground Water: (pts.) — Final Closure Sampling:  Distance to an Ephemeral Stream: (pts.) — Sampling Date: 7/8/97 Time 1247							
1	Nearest Lake.		(pts.)	.0	Sampling	Results:		
Wellhead Pro	otection Area:		(pts.)	6	Field H	eadspace (p	om) $\frac{73.8}{ND}$	
Distance to	Surface Water	:	(pts.)		Other	(PI	700	memod <u>O'C'</u>
Ranking	Score (Tot	al Points	):					
I HEREBY CE	ERTIFY THAT TI	HE INFORMA	TION ABOVE IS	TRUE AND	COMPLETE TO	THE BEST O	F MY KNOWL	EDGE AND BELIEF
DATE	7/1	7/97		PRINTED N	IAME Ronald	A. Dedrick	- · · · · · · · · · · · · ·	
SIGNATURE Royald A Deduce 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								
APPROVE	D: YES X	_ ′ио	(REA	rson) -	ubl as	Gen	Rhill	i
SIGNED:	Kere	Co Y	Jam		ATE:	22-9	7/)	

Jicarilla G-1E Sec. 1 T.26N RSW Unit F BROG

### Land farm

		114		
	E.4pp-		7.1 pp~	12' Q Well Hend
27'		3.3 pp~		
	13.2pp-		9.7ppm	



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

16-Jul-97

Company: PNM Gas Services

COC No.:

5524

Address: 603 W. Elm

Sample No.:

15294

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla G-1E Landfarm

Project Location:

9707081247; 5pt. Composite

Sampled by:

RB

Date:

8-Jul-97 Time:

12:47

Analyzed by:

DC/HR

Date:

14-Jul-97

Sample Matrix:

Soil

#### Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

### Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	195	2.5	15%

Matrix Spike

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	1- Percent	2 - Percent	İ		RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	83	87	(70-130)	5	20%

 $\textbf{Method -} \textit{SW-846 EPA Method 8015A} \;\; \textit{mod. -Nonhalogenated Volatile Hydrocarbons by Gas Chromatography} \\$ 

Approved by:

Date: 7/14/97