District I DEPUTY OIL & GAS INSPECTOR
District II DEPUTY OIL & GAS INSPECTOR
PO Drawer DD. Artesia NM 88221

District III JUN 2 S 1998 1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION

SUBMIT I COPY TO APPROPRIATE DISTRICT OFFICE AND I COPY TO SANTA FE OFFICE

2040 South Pacheco Street Santa Fe, New Mexico 87505

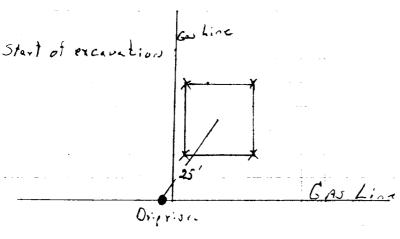
PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM G	Gas Services (W	filliams)	Felephone:	324-3764	·		
Address:	603 W. Elm	Street Farmingto	on, NM 87	401					
Facility or W	ell Name: S	tate A #93 Drip	· · · · · · · · · · · · · · · · · · ·						
Location:	Unit	Р	Sec	2 T	<u> 26 N</u> R	6 W	County	Rio Arriba	
Pit Type:	Separator	<u></u>	Dehydra	tor	Other	_	Drip		
Land Type:	BLM _	State		Fee	Other	_		·	
Pit Location:	Pit	dimensions:	length	20 '	width 2	20 '	depth	3	
(Attach diagrai	m) Ref	ference: w	ellhead	<u></u>	other Drip)	- <u></u>		
	Foor	tage from referer	ice:	25'					
	Dire	ection from refere	ence: <u>45</u>	Degrees	<u></u> ✓ E	ast	North	<u>~~</u>	
					v	o: Vest	f South	 	
Depth to Grou	contaminants to				an 50 feet to 99 feet n 100 feet			(20 points) (10 points) (0 points)	0
Wellhead Pro	tection Area:		1 / L	Ü	Yes No			(20 points)	٥
(Less than 200 feet from domestic water source, o feet from all other water	or, less than 1,000	ON CO		V.	INO			(0 points)	
Distance to Su					an 200 feet 0 1,000 feet 0 1 000 feet			(20 points) (10 points)	0
				RANKIN	G SCORE	(TOTAL	POINTS)	:	3

Remediation Method: Excavation X Approx. Cubic Yard 248 Amount Landfarmed (cubic yds) 248 Amount Landfarmed xu pland in the part of part o	tate A #93 Dmp Date Remediation Started:	9/1	8/97	Date Completed:	9/18/97		
Check all Landfarmed X Amount Landfarmed (cubic yds) 248 Proportion Content							
Other Considerate Conside	Remediation Method:	Excavation	X	Approx. Cubic Yard	248		
Other Remediation Location: Onsite X Offsite i.e., Landfarmed onsite, name and ocation of offsite facility) Backfill Material Location: Excavated Confaminated soil to pit size of 24' X 20' X 14' and landfarmed soil onsite within a bermed area at a depth of 6" 12". Soil was agrated by plowing until soil met regulatory levels. Ground Water Encountered: No Yes Depth Final Pit Closure Sample Location Sample Location Samples, attach samples, attach sample clocations and depths) Sample depth 12' walls and 14' bottom. Sample date 9/18/97 Sample time 1:00:00 PM Sample Results Benzene (ppm) < 0.0010 Total BTEX (ppm) 0.0880 Field headspace (ppm) TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No Yes Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELLIEF	propriate	Landfarmed	x	Amount Landfarmed (cub	ic yds) 248		
i.e., landfarmed onsite. name and exaction of offlite facility) Backfill Material Location: Excavated contaminated soil to pit size of 24' X 20' X 14' and landfarmed soil onsite within a bermed area at a depth of 6" 12". Soil was aerated by plowing until soil met regulatory levels. Ground Water Encountered: No Yes Depth Final Pit Closure Sample Location Sample Location Sample depth 12' walls and 14' bottom. Sample result and disgram of sample locations and depths) Sample depth Sample depth Sample Results Benzene (ppm) Total BTEX (ppm) O.0880 Field headspace (ppm) TPH (ppm) TPH (ppm) Soil Was aerated by plowing until soil met regulatory levels. O.0010 Total BTEX (ppm) O.0880 Field headspace (ppm) TPH (ppm) Soil Was Assessment form attached Yes No Ground Water Sample: Yes No Ground Water Sample: Yes No Ground Water Sample: No Wertical Extent (ft) Risk Assessment form attached Yes No Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELLEF	ctions	Other	2. 11 4				
Excavated contaminated soil to pit size of 24° × 20° × 14° and landfarmed soil onsite within a bermed area at a depth of 6° 12°. Soil was aerated by plowing until soil met regulatory levels. Ground Water Encountered: No Yes Depth Final Pit Closure Sample Location Sample Location Sample depth 12' walls and 14' bottom. Sample date 9/18/97 Sample time 1:00:00 PM Sample Results Benzene (ppm) < 0.0010 Total BTEX (ppm) Depth TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF	i.e., landfarmed onsite, name and	Onsite	X	Offsite			
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Final Pit Closure Sample Location 5 pt composite-4 side walls and center of pit bottom Sample depth 12' walls and 14' bottom. Sample depth 5 sample date 9/18/97 Sample time 1:00:00 PM Sample Results Benzene (ppm) < 0.0010 Total BTEX (ppm) Total BTEX (ppm) TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF	12". Soil was aerated by ploy	to pit size of 24 wing until soil met	regulatory levels.	ned soil onsite within a bermed	area at a depth of 6" to		
Sampling: Sample depth 12' walls and 14' bottom.	Ground Water Encountered	d: No	y Yes	Dept	h		
Sample depth 12' walls and 14' bottom. Sample date 9/18/97 Sample time 1:00:00 PM Sample Results Benzene (ppm) < 0.0010 Total BTEX (ppm) 0.0880 Field headspace (ppm) TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF		Sample Locatio	n 5 pt composite-4	side walls and center of pit bo	ttom		
Sample Results Benzene (ppm) < 0.0010 Total BTEX (ppm) 0.0880 Field headspace (ppm) TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF	sample result and diagram of		12' walls and 14'	bottom.			
Benzene (ppm) < 0.0010 Total BTEX (ppm) 0.0880 Field headspace (ppm) TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF		Sample date	9/18/97	Sample time	1:00:00 PM		
Total BTEX (ppm) 0.0880 Field headspace (ppm) TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No Ground Water Sample: Yes No Ground Water Sample: Yes Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF		Sample Results					
Field headspace (ppm) TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF		Benzen	e (ppm) <0.00	10			
TPH (ppm) < 5.00 Method 8015A Vertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes No (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF		Total B	TEX (ppm)	0.0880			
Wertical Extent (ft) Risk Assessment form attached Yes No Ground Water Sample: Yes − No ▼ (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF		Field he	adspace (ppm)				
Ground Water Sample: Yes — No — (If yes, see attached Groundwater Site Summary Report) I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF		TPH (ppm)	< 5.00	Method 8015	Α		
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF	Vertical Extent (ft)		Risk Assess	ment form attached Yes	No		
KNOWLEDGE AND MY BELIEF	Ground Water Sample:	Yes	No <u></u>		oundwater Site		
The property of the period of	I HEREBY CERTIFY THA KNOWLEDGE AND MY E	T THE INFORM	<u>_</u>	Summary Report) UE AND COMPLETE TO TH	E BEST OF MY		
SIGNATURE II OUT OF AND HELE Administrator III	11	ra V M	. 4	1 A 2 S T 1 S 3			

State A # 93 Orig WFS Sec 2, 26W, 6W, P

9/18/97



End of excavation:

24'	· ·
14 '	
	201
sandstone	
· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·
_	14' Sandstone

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

24-Sep-97

Company: PNM Gas Services

COC No.:

5696

Address:

603 W. Elm

Sample No.:

16228

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - State A #93 Drip

Project Location:

9709181300; Composite, 4 Walls @ 12' and Bottom @ 14'

Sampled by:

GC

Date:

18-Sep-97 Time:

13:00

Analyzed by:

DC/HR

Date:

22-Sep-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

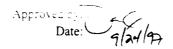
DRO QC No.: 0555-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	184	8.5	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	88	87	(70-130)	1	20%



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 29-Sep-97

Company: PNM Gas Services

COC No.:

5696

Address:

Sample No.:

16228

City, State: Farmington, NM 87401

603 W. Elm

Job No.:

2-1000

Project Name:

PNM Gas Services - State A #93 Drip

Project Location:

9709181300; Composite, Walls @ 12' and Bottom @ 14'

18-Sep-97 Time:

Sampled by: Analyzed by:

HR

Date: Date:

19-Sep-97

13:00

Sample Matrix:

Soil

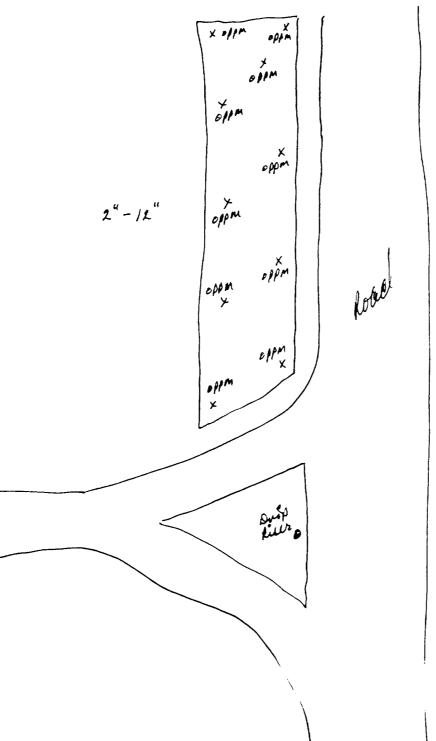
Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug kg	1	ug kg
Toluene		34	ug kg	1	ug kg
Ethylbenzene		2	ug kg	1	nā kā
m,p-Xylene		37	ug kg	1	ug kg
o-Xylene		14	ug kg	1	ug kg
	TOTAL	88	ug/kg		

ND - Not Detected at Limit of Quantitation

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

10-6-97 @ 1040
State A# 93 Dorp
Caulkins
(L) 2-260 -600
Rio Arriba
Sample # 9710061040
Landfarm field head space: 0/PM



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

8-Oct-97

Company: PNM Gas Services

COC No.:

5663

Address:

603 W. Elm

Sample No.:

16516

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - State A #93 Drip Landfarm

Project Location:

9710061040; Composite

Sampled by:

RH

Date:

6-Oct-97 Time:

10:40

Analyzed by:

DC/HR

Date:

7-0ct-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Diesel Range Organics (C10 - C28)	39	mg kg	5	mg kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	214	6.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	94	86	(70-130)	9	20%