DEPUTY CIL & GAS INSPECTOR
P O Drawer DD. Artesia. NM 88221

State of New Mexico Energy, Minerals and Natural Resources Department SUBMIT I COPY TO APPROPRIATE DISTRICT OFFICE , AND I COPY TO SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

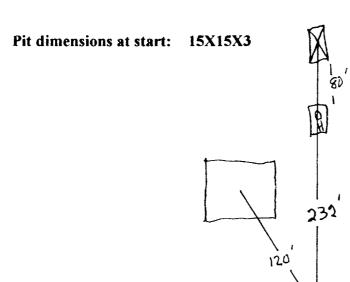


PIT REMEDIATION AND CLOSURE REPORT

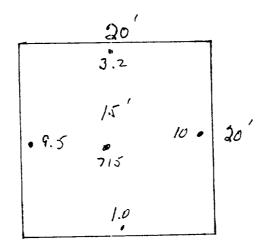
	Same and the second			COM. DIV.
Operator: P	NM Gas Services (Amoco) Telephone:	324-3764	
Address: 603 W	Elm Street Farmington, NM 87	401		
Facility or Well Name	e: Helen Jackson #1			
Location: Unit:	A Sec	34 T. 29 N R.	9 W County	San Juan
Pit Type: Sepa	nrator Dehydra	tor 🗸 Other		
Land Type: BLM	State	Fee Other		
Pit Location:	Pit dimensions: length	15 width 1	5 dept	h <u>3 '</u>
(Attach diagram)	Reference: wellhead	other		-
	Footage from reference: 120	p'		
	Direction from reference: 10	Degrees E	ast Nort	h <u>~</u>
		<u>Ž</u> W	of /est Sout	h
Depth to Ground Wa (Vertical distance from contaminants seasonal high water elevation of grounwater	το	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points) 0
Wellhead Protection (Less than 200 feet from a private domestic water source, or; less than 1 feet from all other water sources)		Yes No		(20 points) (0 points) 0
Distance to Surface V (Horizontal distance to perennial lake ponds, rivers, streams, creeks, 1rrigati	s.	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points) 0
canals and ditches		DANKING SCOPE	TOTAL POINT	s) ·

Date Remediation Started:	8/9/96	Date Completed:	8/9/96
Remediation Method:	Excavation x	Approx. Cubic Yard	222
(Check all appropriate sections)	Landfarmed x	Amount Landfarmed (c	ubic yds) 192
sections (Other		
Remediation Location: (i.e., landfarmed onsite, name and cation of offsite facility)	Onsite X	Offsite	
Backfill Material Location:			
General Description of Ren	nedial Action:		
Excavated contaminated soil to aerated by plowing/disking until	pit size of 20'x20'x15' and landfarme	ed soil onsite within a bermed area at a de	oth of 6" to 12". Soil was
derated by prowning/disking until	son met regulatory levels.		
Ground Water Encountered	d: No <u>√</u>	Yes De	pth
Final Pit Closure Sampling:	Sample Location 5 pt con	nposite-4 side walls and center of pit bottor	n
(if multiple samples, attach sample result and diagram of	Sample depth 13'		
sample locations and depths.)	Sample date 8	/9/96 Sample time	2:00:00 P M
	Sample Results		
	Benzene (ppm)	0.0096	
	Total BTEX (ppm)	32.1075	
	Field headspace (ppm)	
	TPH 100.80	Method 8015A	
Vertical Extent (ft)	Ris	k Assessment form attached Yes	No 🗸
Ground Water Sample:	YesNo	(If yes, atta	ch sample results)
I HEREBY CERTIFY THAT KNOWLEDGE AND MY B	T THE INFORMATION ABOV ELIEF	E IS TRUE AND COMPLE IE TO T	HE BEST OF MY
DATE October 25, 1 SIGNATURE Mauruk	996 Hauren	PRINTED NAME Maureen Ganne AND TITLE Environmental	

Helen Jackson #1 Amoco Sec. 34, 29N, 9W



Excavated pit dimensions: 20X20X15



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

Date:

13-Aug-96

COC No.:

4964

Sample No.

11714

Job No.

2-1000

Project Name:

PNM Gas Services - Helen Jackson #1

Project Location: Sampled by:

9608091400; 5pt. Composite GC

Date:

9-Aug-96 Time:

14:00

Analyzed by:

DC

Date:

13-Aug-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	100.8	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.:

0479-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	< 5.0	ppm	100	97	2.7	15%

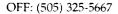
Matrix Spike

much opine	<u> </u>				
	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
		1			
Diesel Range (C10-C28)	112	114	(70-130)	1	20%

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



P.O. BOX 2606 • FARMINGTON, NM 87499





LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

13-Aug-96

Company: PNM Gas Services

COC No.:

4964

Address:

Sample No.

:1714

603 W. Elm

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Helen Jackson #1

Project Location: Sampled by:

9608091400; 5pt. Composite

Date:

9-Aug-96 Time:

14:00

Analyzed by:

GC DC

Date:

13-Aug-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		9.6	ug/kg	0.2	ug/kg
Toluene		2275.8	ug/kg	0.2	ug/kg
Ethylbenzene		2214.0	ug/kg	0.2	ug/kg
m,p-Xylene		21752.8	ug/kg	0.2	ug/kg
o-Xylene		5855.3	ug/kg	0.2	ug/kg
	TOTAL	32107.5	ug/kg		

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

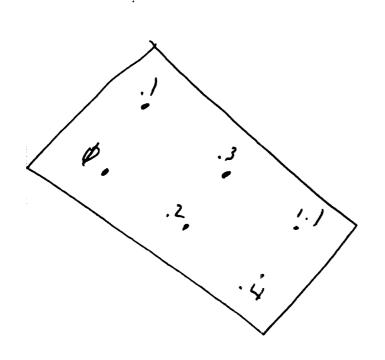
Approved by:

Helen Jackson #/ Amoco Sec. 34, 29N, 9N

9-10-96

Landfain: On-location Compute sample #1 9609101430 Soil upon PIO reading: 3.3 ppm

6 1



2"-12" depth

Ø

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

Project Name:

Sampled by:

Analyzed by:

Project Location:

603 W. Elm

City, State: Farmington, NM 87401

GC

BV

Date:

COC No.:

12-Sep-96 5027

Sample No.

Job No.

12104

2-1000

PNM Gas Services - Helen Jackson #1 Landfarm 9609101430; 6pt. Composite, 2"-12" depth

Date:

Date:

10-Sep-96 Time: 12-Sep-96

14:30

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	114.1	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.:

0489-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	104	3.6	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	96	95	(70-130)	1	20%

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

Approved by: Date: 9/12/96