

Denny & Faust
DEPUTY OIL & GAS INSPECTOR

District I
P.O. Box 1000
Santa Fe, NM 87505
District II
P.O. Drawer DD, Artesia, NM 88201
District III
1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Caulkins)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: State Com C #235R			
Location:	Unit A	Sec 16	T 26 N R 6 W County Rio Arriba
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other <input type="checkbox"/>
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other <input type="checkbox"/>
Pit Location:	Pit dimensions: length 20' width 20' depth 3'		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/>	other <input type="checkbox"/>	
Footage from reference: 45'			
Direction from reference: 20 Degrees <input type="checkbox"/> East North <input checked="" type="checkbox"/> of <input checked="" type="checkbox"/> West South <input type="checkbox"/>			
Depth to Ground Water:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)		0
(Vertical distance from contaminants to seasonal high water elevation of ground water)			
Wellhead Protection Area:	Yes (20 points) No (0 points)		0
(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:	Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)		0
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
RANKING SCORE (TOTAL POINTS):			0

RECEIVED
NOV - 3 1997
OIL CON. DIV.
DIST. 3

Date Remediation Started: 8/15/97 Date Completed: 8/15/97Remediation Method: Excavation X Approx. Cubic Yard 114

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 114

Other _____

Remediation Location: Onsite X Offsite _____

(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to pit size of 16' X 16' X 12' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing until soil met regulatory levels.Ground Water Encountered: No ✓ Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location 5 pt composite-4 side walls and center of pit bottom

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 10' walls and 12' bottom.Sample date 8/15/97 Sample time 10:30:00 AM

Sample Results

Benzene (ppm) < 0.0020Total BTEX (ppm) 0.0120

Field headspace (ppm) _____

TPH (ppm) < 5.00 Method 8015AVertical 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

DATE October 27, 1997

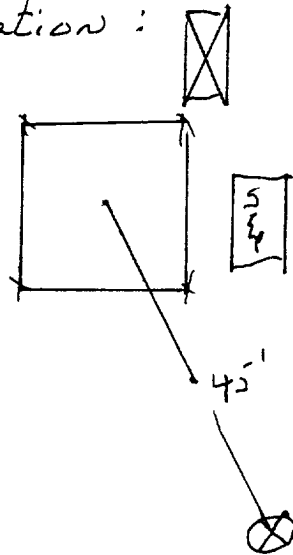
SIGNATURE

PRINTED NAME **Denver Bearden**
AND TITLE **Administrator III**

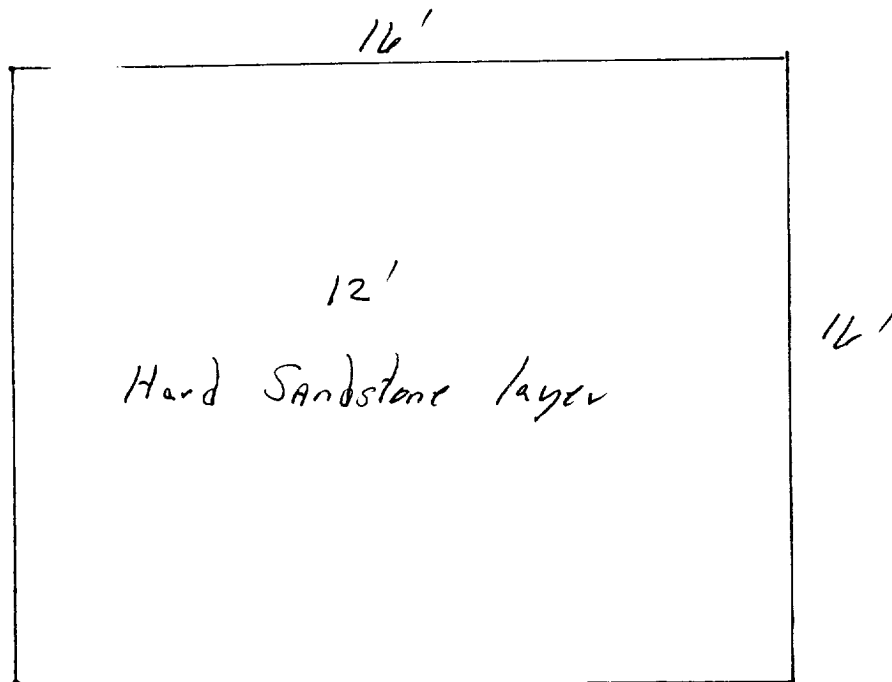
State "C" Com # 235 R
Caulkins Oil
Sec. 16, 24N, 6W, A

8-15-97

Start of excavation :



End of excavation :



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *22-Aug-97*
COC No.: *5962*
Sample No.: *15812*
Job No.: *2-1000*

Project Name: *PNM Gas Services - State "C" Com #235R*
Project Location: *9708151030; 4 Walls @ 10' and Bottom @ 12'*
Sampled by: *GC* Date: *15-Aug-97* Time: *10:30*
Analyzed by: *HR/DC* Date: *21-Aug-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	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
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	201	0.6	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	85	89	(70-130)	4	20%

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

Approved by: *[Signature]*
Date: *8/22/97*

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *21-Aug-97*
COC No.: *5962*
Sample No.: *15812*
Job No.: *2-1000*

Project Name: *PNM Gas Services - State "C" Com #235R*
Project Location: *9708151030; Composite, 4 Walls @ 10' and Bottom @ 12'*
Sampled by: *GC* Date: *15-Aug-97* Time: *10:30*
Analyzed by: *HR* Date: *20-Aug-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	2	ug/kg
<i>Toluene</i>	ND	ug/kg	2	ug/kg
<i>Ethylbenzene</i>	5	ug/kg	2	ug/kg
<i>m,p-Xylene</i>	8	ug/kg	2	ug/kg
<i>o-Xylene</i>	ND	ug/kg	2	ug/kg
	<i>TOTAL</i>	12		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *8/21/97*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

↑
N

9-2-97 @ 1130

State Com C 235R

(A) 16-26N-6W

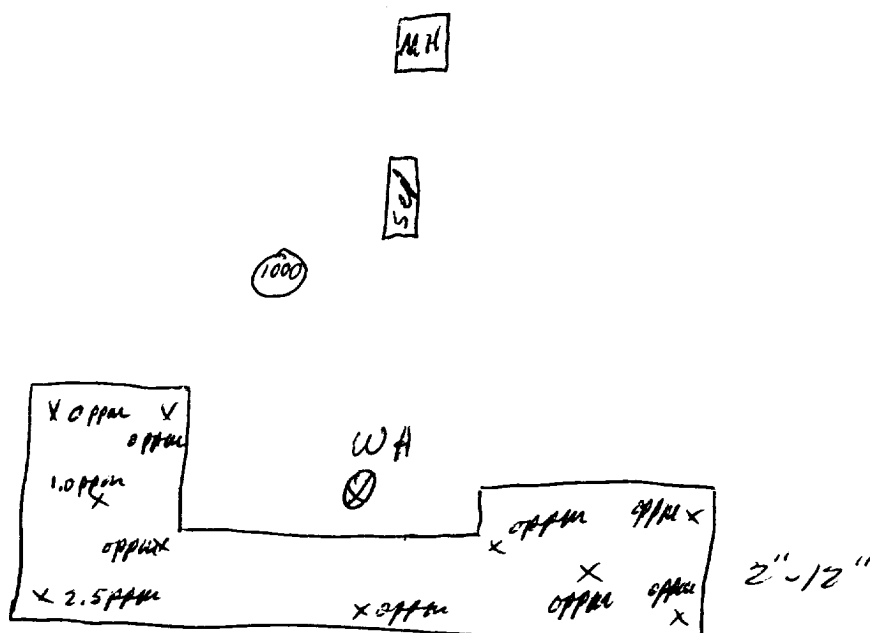
Caulkins

Rio Arriba

Sample # 4709021130

Land farm field head space - 2.0 ppm

See lab analysis for BTEX.



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *8-Sep-97*
COC No.: *5658*
Sample No.: *16026*
Job No.: *2-1000*

Project Name: *PNM Gas Services - State Com C #235R Landfarm*

Project Location: *9709021130; Composite Sample*

Sampled by: *RH* Date: *2-Sep-97* Time: *11:30*

Analyzed by: *DC* Date: *5-Sep-97*

Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	1	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	5	ug/kg	1	ug/kg
<i>o-Xylene</i>	1	ug/kg	1	ug/kg
	<i>TOTAL</i>	7		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: *DC*
Date: *9/8/97*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *9-Sep-97*
COC No.: *5658*
Sample No.: *16026*
Job No.: *2-1000*

Project Name: *PNM Gas Services - State Com C #235R Landfarm*
Project Location: *9709021130; Composite Sample*
Sampled by: *RH* Date: *2-Sep-97* Time: *11:30*
Analyzed by: *DC/HR* Date: *8-Sep-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	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
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	206	2.7	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	95	85	(70-130)	10	20%

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

Approved by: *[Signature]*
Date: *9/9/97*

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