

District **DEPUTY CLERK**
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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

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>PNM Gas Services (Caulkins)</u>		Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>			
Facility or Well Name: <u>Breach A #132</u>			
Location:	Unit <u>D</u>	Sec <u>9</u>	T <u>26 N</u> R <u>6 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator <u> </u>	Dehydrator <input checked="" type="checkbox"/>	Other <u> </u>
Land Type:	BLM <input checked="" type="checkbox"/>	State <u> </u>	Fee <u> </u> Other <u> </u>

Pit Location:	Pit dimensions:	length <u>20</u>	width <u>20</u>	depth <u>3</u>
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/>	other <u> </u>	
Footage from reference:		<u>45'</u>		
Direction from reference:		<u>80</u> Degrees	<input checked="" type="checkbox"/> East	North <u> </u>
			<input type="checkbox"/> West	South <input checked="" type="checkbox"/>

Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	Less than 50 feet	(20 points)	<u>0</u>
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	

Wellhead Protection Area: <small>(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)</small>	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> RECEIVED NOV - 3 1997 OIL CON. DIV. DIST. 3 </div>	Yes No	(20 points) (0 points) <u>0</u>
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Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	Less than 200 feet	(20 points)	<u>0</u>
	200 feet to 1,000 feet	(10 points)	
	Greater than 1,000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS):	<u>0</u>
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Breach A #132

Date Remediation Started: 7/28/97

Date Completed: 7/28/97

Remediation Method: Excavation ☒ Approx. Cubic Yard 152

(Check all appropriate sections)

Landfarmed ☒ Amount Landfarmed (cubic yds) 152

Other

Remediation Location:

Onsite ☒

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 19' X 18' 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

9' walls and 12' bottom.

Sample date

7/28/97

Sample time

11:15:00 AM

Sample Results

Benzene (ppm) < 0.0020

Total BTEX (ppm) 0.3430

Field headspace (ppm)

TPH (ppm)

< 5.00

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes ☐No ☐

Ground Water Sample:

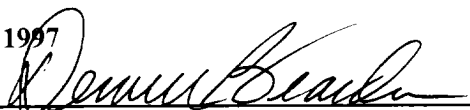
Yes ☐No ☒

(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

DATE October 27, 1997

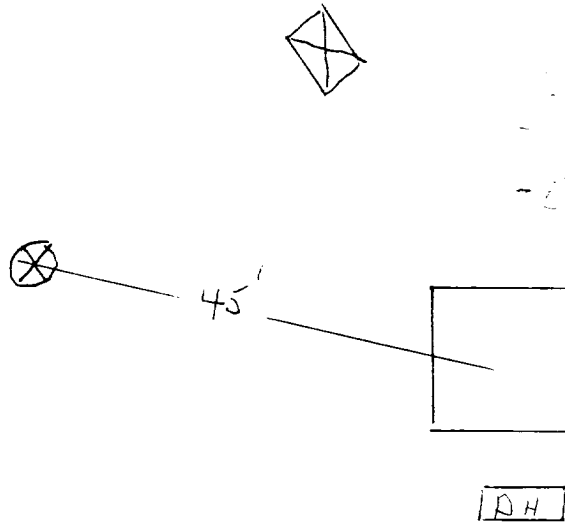
SIGNATURE

PRINTED NAME
AND TITLEDenver Bearden
Administrator III

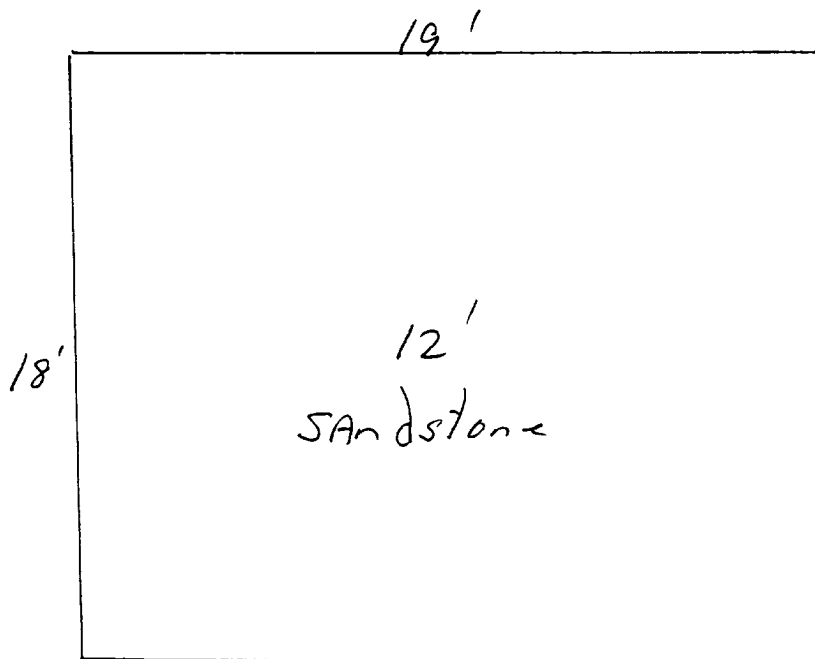
Breech A#132
Caulkins Oil
Sec. 9, 26N, 6W, 0

7-28-97

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: *4-Aug-97*
COC No.: *5937*
Sample No.: *15502*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #132*
Project Location: *9707281115; Composite, 4 Walls @ 9' and Bottom @ 12'*
Sampled by: *GC* Date: *28-Jul-97* Time: *11:15*
Analyzed by: *HR/DC* Date: *31-Jul-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

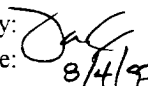
Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	192	4.3	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	86	88	(70-130)	3	20%

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

Approved by: 
Date: *8/4/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

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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: *31-Jul-97*
COC No.: *5937*
Sample No.: *15502*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #132*
Project Location: *9707281115; Composite, 4 Walls @ 9' and Bottom @ 12'*
Sampled by: *GC* Date: *28-Jul-97* Time: *11:15*
Analyzed by: *HR* Date: *30-Jul-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>	16	ug/kg	2	ug/kg
<i>Ethylbenzene</i>	18	ug/kg	2	ug/kg
<i>m,p-Xylene</i>	242	ug/kg	2	ug/kg
<i>o-Xylene</i>	67	ug/kg	2	ug/kg
	<i>TOTAL</i>	343	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: *7/31/97*

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8-21-97 - @ 11 40

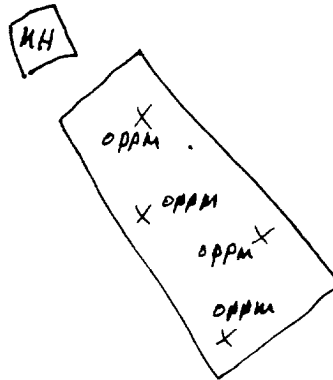
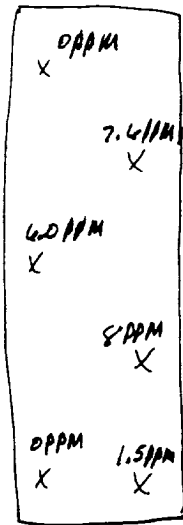
Breach A #132

(B) 9-26N-6W

Coulkins

Rio Arriba Co.

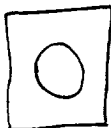
Land Form Field Head Space 1.5 ppm



2" - 10"

⊗
WH

SEP



SEP



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: *25-Aug-97*
COC No.: *5213*
Sample No.: *15865*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech A #132 Landfarm***

Project Location: ***9708211140; Composite Sample***

Sampled by: *RH* Date: *21-Aug-97* Time: *11:40*

Analyzed by: *HR/DC* Date: *22-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>	<i>12</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

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>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>201</i>	<i>0.5</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>83</i>	<i>80</i>	<i>(70-130)</i>	<i>4</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *8/25/97*

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