

Denny L. Frost
District II
P.O. Drawer DD, Artesia, NM 88220
DEPUTY OIL & GAS INSPECTOR

State of New Mexico
Energy, Minerals and Natural Resources Department

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

District II
P.O. Drawer DD, Artesia, NM 88220
FEB 26 1996

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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: Breech #854			
Location:	Unit <u>H</u>	Sec <u>24</u>	T <u>26 N</u> R <u>7 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator <input type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other <input type="checkbox"/> Drip <input type="checkbox"/>
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other <input type="checkbox"/> No <input type="checkbox"/>
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 <input type="checkbox"/>		
	Footage from reference: <u>180'</u>		
	Direction from reference: <u>30</u> Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> North <input type="checkbox"/> of <input type="checkbox"/> West <input checked="" type="checkbox"/> South <input type="checkbox"/>		
Depth to Ground Water:			
(Vertical distance from contaminants to seasonal high water elevation of ground water)			
Less than 50 feet (20 points)			
50 feet to 99 feet (10 points)			
Greater than 100 feet (0 points) <u>20</u>			
Wellhead Protection Area:			
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)			
Yes (20 points)			
No (0 points) <u>0</u>			
Distance to Surface Water:			
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
Less than 200 feet (20 points)			
200 feet to 1,000 feet (10 points)			
Greater than 1,000 feet (0 points) <u>10</u>			
RANKING SCORE (TOTAL POINTS): <u>30</u>			

Breach #854

Date Remediation Started: 6/12/97 Date Completed: 6/13/97Remediation Method: Excavation x Approx. Cubic Yard 171

(Check all appropriate sections)

Landfarmed x Amount Landfarmed (cubic yds) 171

Other _____

Remediation Location: Onsite _____ Offsite Breach #354 - Same legal.
(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 16' x 16' x 18' and landfarmed soil offsite at Breach #354 within a bermed area at a depth of 6" to 12". Soil was aerated by disking/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 16' walls 18 bottom'.Sample date 6/12/97 Sample time 2:30:00 PM

Sample Results

Benzene (ppm) < 0.0010Total BTEX (ppm) 0.0010

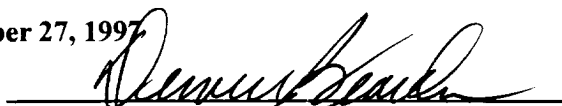
Field headspace (ppm) _____

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

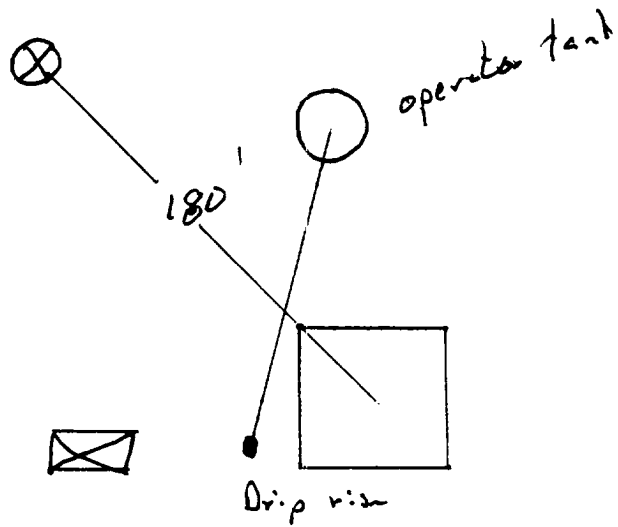
SIGNATURE

PRINTED NAME Denver Bearden
AND TITLE Administrator III

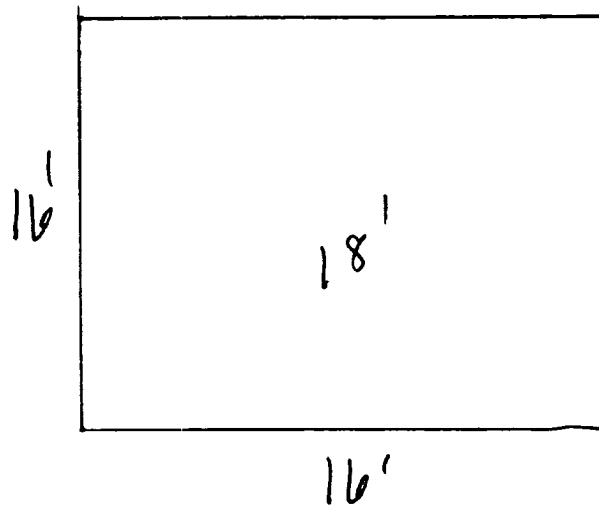
Breach # 854
Cantkins Oil Co.
Sec. 24, 26N, 7W, H

6-12-97

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: *18-Jun-97*
COC No.: *5905*
Sample No.: *14943*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech #854*
Project Location: *9706121430; Composite, Walls @ 16' & Bottom @ 18'*
Sampled by: *GC* Date: *12-Jun-97* Time: *14:30*
Analyzed by: *DC/HR* Date: *17-Jun-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	197	1.7	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	86	104	(70-130)	10	20%

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

Approved by: 
Date: *6/18/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- 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: *17-Jun-97*
COC No.: *5905*
Sample No.: *14943*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech #854*
Project Location: *9706121430; Composite, Walls @ 16' & Bottom @ 18'*
Sampled by: *GC* Date: *12-Jun-97* Time: *14:30*
Analyzed by: *HR* Date: *16-Jun-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>	1	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	ND	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	1	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: *6/17/97*

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TECHNOLOGY REVIEWS INDUSTRY WITH THE FARMINGTON

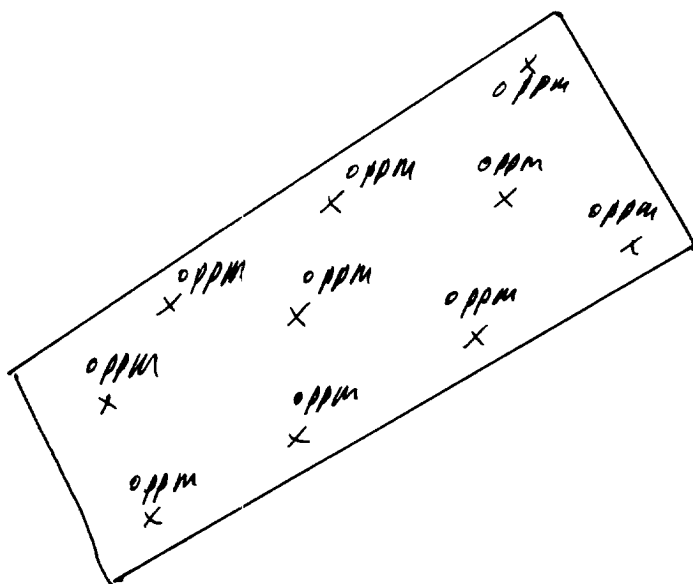
8-7-47

↑
N

Breach #854 - Caulkins
(H) 24-26N-7W

Field Head space 0 ppm

Lowd Farm composite sample # - 9708070840



2" - 10"

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: *13-Aug-97*
COC No.: *5194*
Sample No.: *15690*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech #854 Landfarm*

Project Location: *9708070840; Composite Sample*

Sampled by: *RH* Date: *7-Aug-97* Time: *8:40*

Analyzed by: *HR/DC* Date: *11-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	215	7.4	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	84	85	(70-130)	1	20%

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

Approved by: *[Signature]*
Date: *8/13/97*

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