

Henry S. Faust
District III
P.O. Box 1580, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR
P.O. Drawer DD, Artesia, NM 88221

District III
1000 Rio Brazos Rd. Aztec, NM 87410
JUN 23 1998

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

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

PIT REMEDIATION AND CLOSURE REPORT

Approval

Operator: PNM Gas Services (Caulkins) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Breach D #140M

Location: Unit D Sec 11 T 26 N R 6 W County Rio Arriba

Pit Type: Separator ☐ Dehydrator ☐ Other Drip

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 20 width 20 depth 3

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 75'

Direction from reference: 5 Degrees ☐ East ☒ North ☐ South ☐
☒ West

Depth to Ground Water:

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

(Vertical distance from contaminants to seasonal high water elevation of ground water)

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>0</u>

RANKING SCORE (TOTAL POINTS): 0

Breach D #140M

Date Remediation Started: 9/9/97 Date Completed: 9/9/97Remediation Method: Excavation X Approx. Cubic Yard 178(Check all
appropriate
sections)Landfarmed X Amount Landfarmed (cubic yds) 178

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 a pit size of 20' X 20' X 12' and landfarmed soil onsite 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 9' walls and 12' bottom.Sample date 9/9/97 Sample time 10:00:00 AM

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 BELIEFDATE January 27, 1998

SIGNATURE

PRINTED NAME Denver Bearden
AND TITLE Administrator III

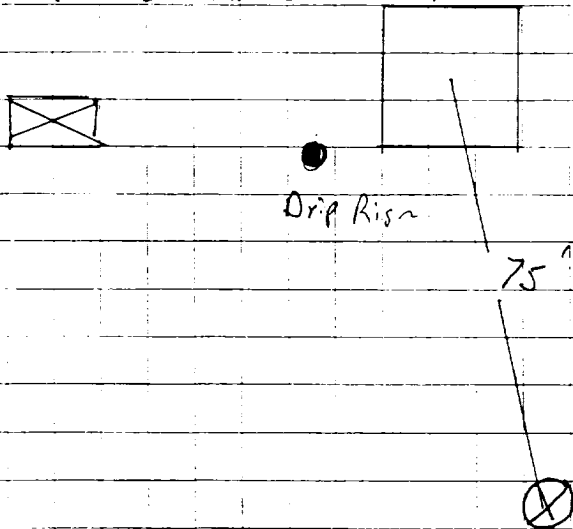
Breech D# 140m

9/9/97

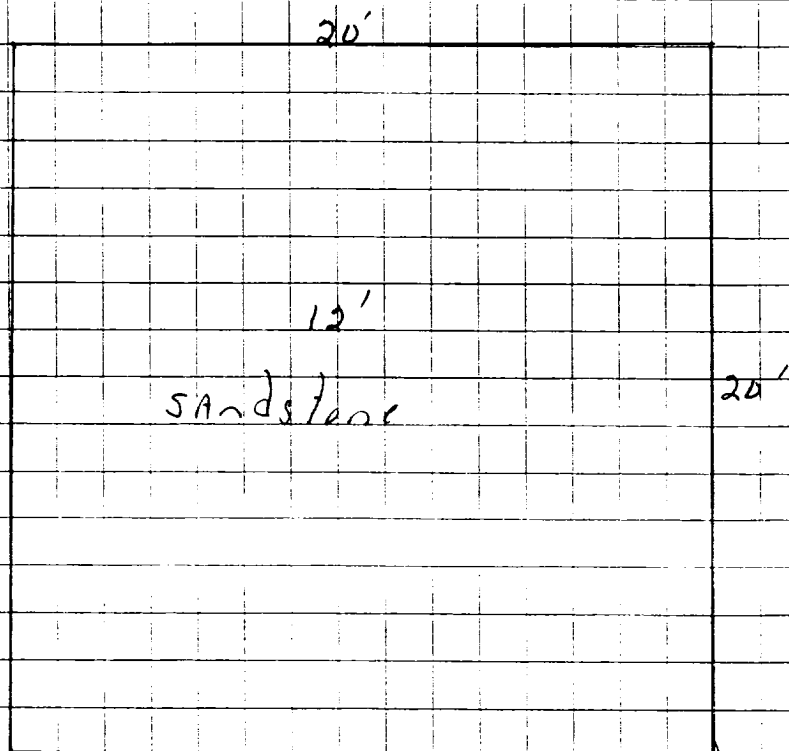
Can/Kins Oil

Sec. 11, 26N, 64W, D

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: *16-Sep-97*
COC No.: *5684*
Sample No.: *16109*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #140M*
Project Location: *9709091000; Composite, 4 Walls @ 9' and Bottom @ 12'*
Sampled by: *GC* Date: *9-Sep-97* Time: *10:00*
Analyzed by: *DC/HR* Date: *15-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	197	1.5	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	100	94	(70-130)	6	20%

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

Approved by: *[Signature]*
Date: *9/16/97*

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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: *17-Sep-97*
COC No.: *5684*
Sample No.: *16109*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #140M*
Project Location: *9709091000; Walls @ 9' and Bottom @ 12'*
Sampled by: GC Date: *9-Sep-97* Time: *10:00*
Analyzed by: DC Date: *15-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>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	1	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	1		

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *9/17/97*

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↑
N

9-29-96 @ 1015

Breach D #140M

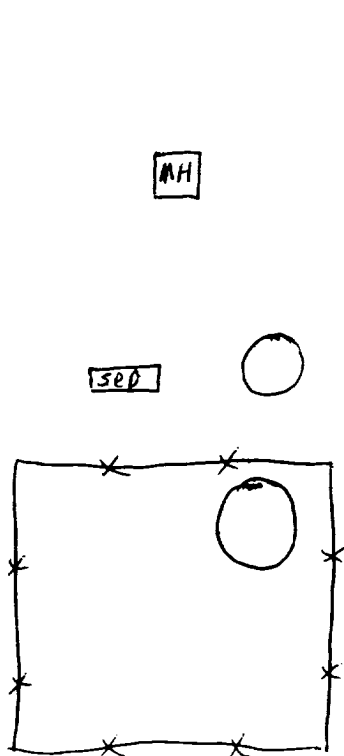
Caulkins

(D) 11-26N-6W

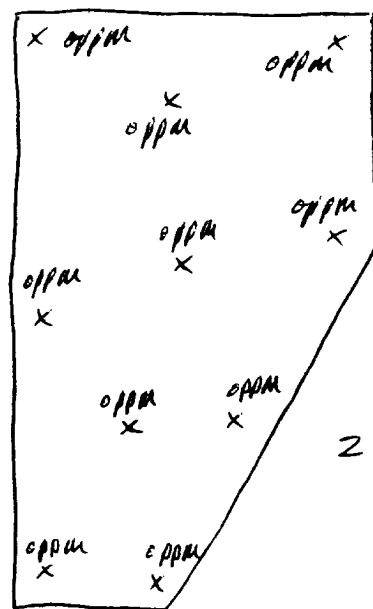
Rio Arriba

Sample # 9709291015

Land Farm field head space: 7 ppm



⊗
WH



2" - 12"

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: *2-Oct-97*
COC No.: *5675*
Sample No.: *16441*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #140M Landfarm*
Project Location: *9709291015; Composite*
Sampled by: *RH* Date: *29-Sep-97* Time: *10:15*
Analyzed by: *HR/DC* Date: *1-Oct-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	202	1.2	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	102	92	(70-130)	10	20%

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

Approved by: *[Signature]*
Date: *10/2/97*

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