

Denny E. Faust
District I
P.O. Box 10000
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 88221
FEB 26 1998
District III
1000 Rio Brazos Rd, Aztec, NM 87410

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: Breach C #328

Location: Unit P Sec 13 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: 60'

Direction from reference: 80 Degrees ☒ East ☐ North ☒
of ☐ West ☐ South ☐

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) 0

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) 0

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) 0

RANKING SCORE (TOTAL POINTS): 0

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

Date Remediation Started: 8/29/97

Date Completed: 8/29/97

Remediation Method:

Excavation ☒

Approx. Cubic Yard 182

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 182

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 17' X 17' X 17' 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

15' walls and 17' bottom.

Sample date

8/29/97

Sample time

12:00:00 PM

Sample Results

Benzene (ppm) < 0.0250

Total BTEX (ppm) 1.5290

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

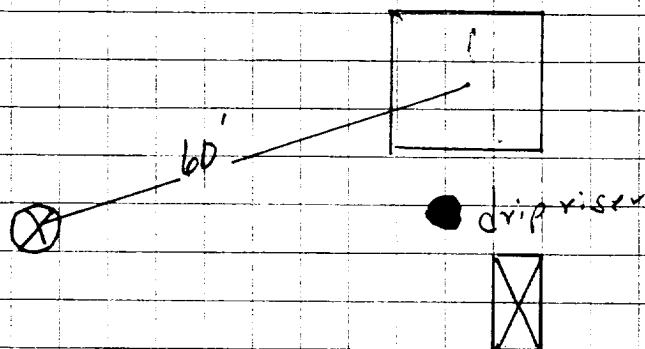
Breach C #328

Cankins Oil

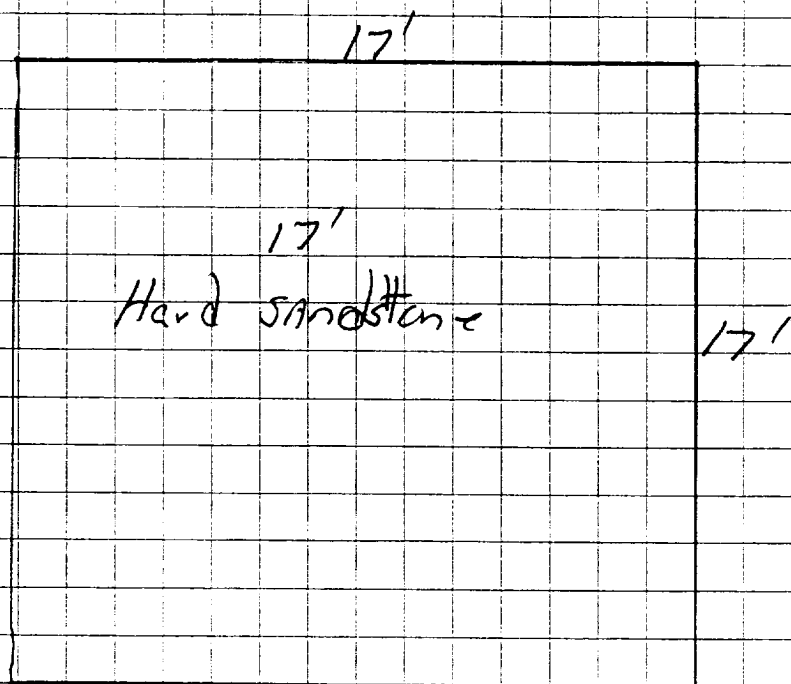
Sec. 13, 24N, 6W, P

8/24/97

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: *10-Sep-97*
COC No.: *5993*
Sample No.: *16013*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #328*
Project Location: *9708291200*
Sampled by: *GC*
Analyzed by: *DC/HR*
Sample Matrix: *Soil*

Aug
Date: *29-Sep-97* Time: *12:00*
Date: *9-Sep-97*

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	190	5.1	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	82	77	(70-130)	6	20%

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

Approved by: *[Signature]*
Date: *9/10/97*

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: *8-Sep-97*
COC No.: *5993*
Sample No.: *16013*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #328*
Project Location: *9708291200*
Sampled by: *GC* Date: *29-Aug-97* Time: *12:00*
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	25	ug/kg
<i>Toluene</i>	812	ug/kg	25	ug/kg
<i>Ethylbenzene</i>	62	ug/kg	25	ug/kg
<i>m,p-Xylene</i>	552	ug/kg	25	ug/kg
<i>o-Xylene</i>	102	ug/kg	25	ug/kg
	<i>TOTAL</i>	1529	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: *9/8/97*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

11
N

9-11-97 @ 0830

Buech C #328

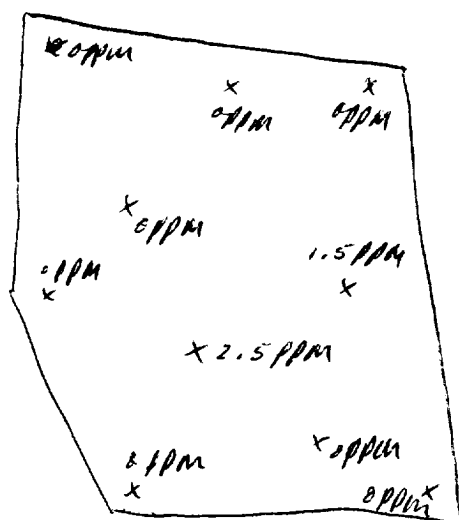
Caulkins

(P) 13-260-60

Rio Arriba

Sample # 9709110830

Land farm field headspace - 4.3 ppm



Q
WH

AH

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: *16-Sep-97*
COC No.: *5671*
Sample No.: *16127*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #328 Landfarm*
Project Location: *9709110830; Composite*
Sampled by: *RH* Date: *11-Sep-97* Time: *8:30*
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:

Date:

Ja G
9/16/97

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