

Denny E. Faust
District I
P.O. Box 324-3764
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
JUN 28 1998

OIL CONSERVATION DIVISION

District III
1000 Rio Brazos Rd. Aztec, NM 87410

2040 South Pacheco Street
Santa Fe, New Mexico 87505

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 A #93
Location: Unit P Sec 2 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: 65'
Direction from reference: 70 Degrees East North
of West South ☒

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: RECEIVED
FEB 11 1998
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)

OIL CON. DIV.
DIST. 3

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

(Minimum distance to nearest surface water)

RANKING SCORE (TOTAL POINTS): 0

State A #93

Date Remediation Started: 9/18/97

Date Completed: 9/18/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 26

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 26

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 10' X 10' X 7' 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

5' walls and 7' bottom.

Sample date

9/18/97

Sample time

10:00:00 AM

Sample Results

Benzene (ppm) < 0.0020

Total BTEX (ppm) 0.0440

Field headspace (ppm)

TPH (ppm)

17.00

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes

No

Ground Water Sample:

Yes

No

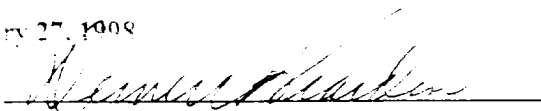
☒

(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 January 27, 1998

SIGNATURE



PRINTED NAME AND TITLE

Denver Bearden
Administrator III

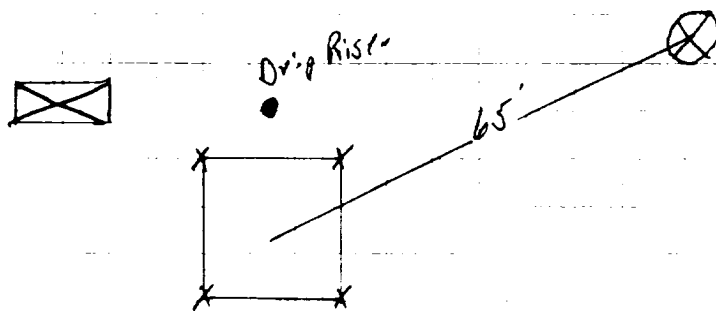
STATE A# 93

9/18/97

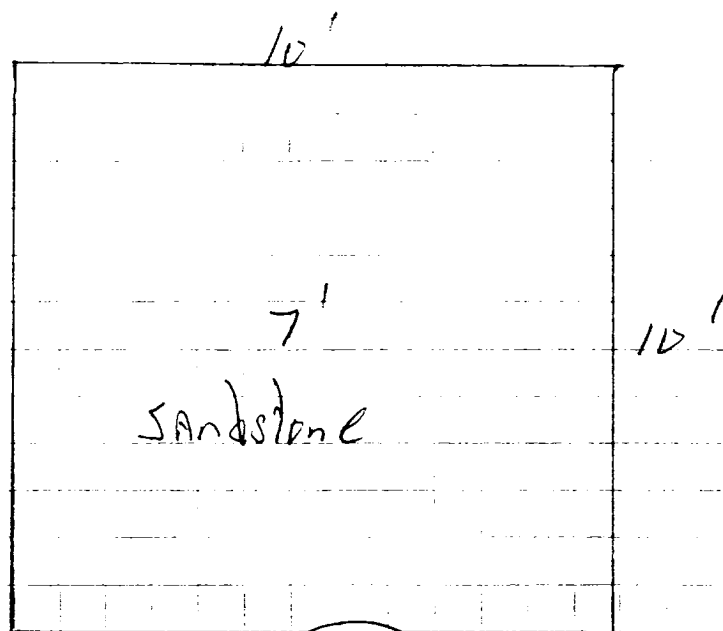
Can/Kins Oil

Sec. 2, 26N, 6W, P

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: *24-Sep-97*
 COC No.: *5694*
 Sample No.: *15226*
 Job No.: *2-1000*

Project Name: *PNM Gas Services - State A #93*
 Project Location: *9709181000; Composite, 4 Walls @ 5' and Bottom @ 7'*
 Sampled by: GC Date: *18-Sep-97* Time: *10:00*
 Analyzed by: DC/HR Date: *22-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>	<i>17</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.: 0555-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>184</i>	<i>8.5</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>88</i>	<i>87</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

Method: EPA 821-1, 821-2, 821-3, 821-4, 821-5, 821-6, 821-7, 821-8, 821-9, 821-10, 821-11, 821-12, 821-13, 821-14, 821-15, 821-16, 821-17, 821-18, 821-19, 821-20, 821-21, 821-22, 821-23, 821-24, 821-25, 821-26, 821-27, 821-28, 821-29, 821-30, 821-31, 821-32, 821-33, 821-34, 821-35, 821-36, 821-37, 821-38, 821-39, 821-40, 821-41, 821-42, 821-43, 821-44, 821-45, 821-46, 821-47, 821-48, 821-49, 821-50, 821-51, 821-52, 821-53, 821-54, 821-55, 821-56, 821-57, 821-58, 821-59, 821-60, 821-61, 821-62, 821-63, 821-64, 821-65, 821-66, 821-67, 821-68, 821-69, 821-70, 821-71, 821-72, 821-73, 821-74, 821-75, 821-76, 821-77, 821-78, 821-79, 821-80, 821-81, 821-82, 821-83, 821-84, 821-85, 821-86, 821-87, 821-88, 821-89, 821-90, 821-91, 821-92, 821-93, 821-94, 821-95, 821-96, 821-97, 821-98, 821-99, 821-100

Approved by: *DC*Date: *9/24/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

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: *29-Sep-97*
COC No.: *5694*
Sample No.: *16226*
Job No.: *2-1000*

Project Name: *PNM Gas Services - State A #93*
Project Location: *9709181000; Composite, 4 Walls @ 5' and Bottom @ 7'*
Sampled by: *GC* Date: *18-Sep-97* Time: *10:00*
Analyzed by: *HR* Date: *19-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	2	ug kg
<i>Toluene</i>	ND	ug kg	2	ug kg
<i>Ethylbenzene</i>	8	ug kg	2	ug kg
<i>m,p-Xylene</i>	19	ug kg	2	ug kg
<i>o-Xylene</i>	17	ug kg	2	ug kg
<i>TOTAL</i>	44	ug kg		

ND - Not Detected at Limit of Quantitation

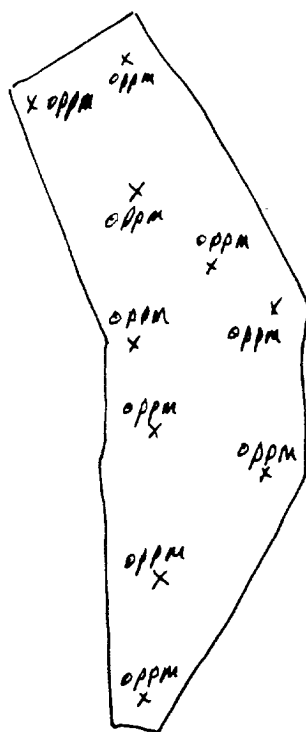
Method - *SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography*

HR
Date: *10/1/97*

N

10-6-97 @1030
State A #93
Caulkins
(L) 2-26N-6W
Rio Arriba
Sample #: 9710061030
Landfarm field headspace: 0 ppm

WH
⊗



2" - 10"

WH

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-Oct-97*
COC No.: *5663*
Sample No.: *16515*
Job No.: *2-1000*

Project Name: *PNM Gas Services - State A #93 Landfarm*
Project Location: *9710061030; Composite*
Sampled by: *RH* Date: *6-Oct-97* Time: *10:30*
Analyzed by: *DC/HR* Date: *7-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>	<i>6</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. 0555-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>214</i>	<i>6.7</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>94</i>	<i>86</i>	<i>(70-130)</i>	<i>9</i>	<i>20%</i>

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

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