

<b>Operator:</b>	PNM Gas Services ( Snyder )	<b>Telephone:</b>	324-3764
<b>Address:</b>	603 W. Elm Street Farmington, NM 87401		
<b>Facility or Well Name:</b>	Southern Union #2E		
<b>Location:</b>	Unit: <u>C</u>	Sec. <u>19</u>	T. <u>31 N</u> R. <u>12 W</u> County <u>San Juan</u>
<b>Pit Type:</b>	Separator <input type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other <u>P&amp;A</u>
<b>Land Type:</b>	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other _____

<b>Pit Location:</b>	Pit dimensions:	length <u>12</u> '	width <u>12</u> '	depth <u>4</u> '
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/>	other _____	
	Footage from reference:	<u>177'</u>		
	Direction from reference:	<u>40</u> Degrees	<input checked="" type="checkbox"/> East	North <input checked="" type="checkbox"/>
			<input type="checkbox"/> West	South <u>    </u>
			of	

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

<b>Wellhead Protection Area:</b>	Yes	(20 points)	
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)	No	( 0 points)	0

<b>Distance to Surface Water:</b>	Less than 200 feet	(20 points)	
	200 feet to 1,000 feet	(10 points)	
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Greater than 1,000 feet	( 0 points)	0

<b>RANKING SCORE (TOTAL POINTS):</b>	10
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Date Remediation Started:

3/13/95

Date Completed:

5/18/95

Remediation Method:

Excavation

☒

Approx. Cubic Yard

80

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

80

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 and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil will be aerated by plowing/disking until soil meets 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'

Sample date

3/13/95

Sample time

1:30:00 PM

Sample Results

Benzene (ppm)

ND

Total BTEX (ppm)

0.3038

Field headspace (ppm)

TPH

88.00

Method

418.1

Vertical Extent (ft)

Risk Assessment form attached

Yes

No



Ground Water Sample:

Yes



No



(If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE

SIGNATURE

7-26-96  
*Demetrius Bearden*

PRINTED NAME  
 AND TITLE

OFF: (505) 325-8786



LAB: (505) 325-5667

**TOTAL PETROLEUM HYDROCARBONS**

Attn: *Denver Bearden*  
Company: *Gas Company of New Mexico*  
Address: *P.O. Box 1899*  
City, State: *Bloomfield, NM 87413*

Date: *3/14/95*  
COC No. *2908*  
Sample No. *5477*  
Job No. *2-1000*

Project Name: *Gas Company of New Mexico*  
Project Location: *Southern Union 2E - 15' Pit*  
Sampled by: *DB*  
Analyzed by: *DC*  
Type of Sample: *Soil*

Date: *3/13/95* Time: *13:30*  
Date: *3/14/95*

**Laboratory Analysis**

<b>Laboratory Identification</b>	<b>Sample Identification</b>	<b>Total Petroleum Hydrocarbons</b>
<i>5477-2908</i>	<i>Gas Company of New Mexico</i> <i>Southern Union 2E - 15' Pit</i>	<i>88 mg/kg</i>

**Method** - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *J-4*

Date: *3/14/95*

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OFF: (505) 325-8786



LAB: (505) 325-5667

**AROMATIC VOLATILE ORGANICS**

Attn: *Denver Bearden*  
Company: *Gas Company of New Mexico*  
Address: *P.O. Box 1899*  
City, State: *Bloomfield, NM 87413*

Date: *3/15/95*  
COC No. *2908*  
Sample ID: *5477*  
Job No. *2-1000*

Project Name: *Gas Company of New Mexico*  
Project Location: *Southern Union 2E - 15' Pit*  
Sampled by: *DB* Date: *3/13/95*  
Analyzed by: *DLA* Date: *3/14/95*  
Sample Matrix: *Soil*

Time: *13:30*

**Aromatic Volatile Organics**

<b>Component</b>	<b>Measured Concentration ug/kg</b>	<b>Detection Limit Concentration ug/kg</b>
<i>Benzene</i>	<i>ND</i>	<i>0.2</i>
<i>Toluene</i>	<i>ND</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>146.2</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>101.9</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>55.8</i>	<i>0.2</i>
	<i>TOTAL 303.8 ug/kg</i>	

*ND - Not Detectable*

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

Approved by: *De4*  
Date: *3/15/95*

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**VOLATILE AROMATIC HYDROCARBONS**

Gas Company of New Mexico

Project ID: Pits  
Sample ID: Southern Onion 2 E LF  
Lab ID: 1005  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Intact

Report Date: 05/18/95  
Date Sampled: 05/15/95  
Date Received: 05/15/95  
Date Extracted: 05/15/95  
Date Analyzed: 05/16/95

Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	9.19
Toluene	ND	9.19
Ethylbenzene	ND	9.19
m,p-Xylenes	ND	18.4
o-Xylene	ND	9.19


ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	94	81 -117%
	Bromofluorobenzene	99	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;  
Test Methods for Evaluating Solid Wastes, SW-846, United States  
Environmental Protection Agency, Final Update I, July, 1992.

**Comments:**

  
Analyst

  
Review

OFF: (505) 325-5667



LAB: (505) 325-1556

### ***TOTAL PETROLEUM HYDROCARBONS***

Attn: **Shawn Adams**  
Company: **Contract Environmental Services, Inc.**  
Address: **P.O. Box 505**  
City, State: **Kirtland, NM 87417**

Date: **15-Jul-96**  
COC No.: **4202**  
Sample No. **11504**  
Job No. **2-1000**

Project Name: **Snyder Oil Corporation - Southern Union #2E**  
Project Location: **SUG-102**  
Sampled by: **SA** Date: **12-Jul-96** Time: **16:35**  
Analyzed by: **HR** Date: **15-Jul-96**  
Sample Matrix: **Soil**

#### ***Laboratory Analysis***

<b><i>Parameter</i></b>	<b><i>Result</i></b>	<b><i>Detection Limit</i></b>	<b><i>Unit of Measure</i></b>	<b><i>Method</i></b>
<b><i>Total Petroleum Hydrocarbons, TPH</i></b>	<b>&lt; 25</b>	<b>25</b>	<b>mg/kg</b>	<b>EPA Method 418.1</b>


#### ***Quality Assurance Report***

##### ***Laboratory Fortified Blank/Spike Soil***

<b><i>Laboratory Identification</i></b>	<b><i>Analyzed Value</i></b>	<b><i>Acceptable Range</i></b>	<b><i>Unit of Measure</i></b>
<b><i>Laboratory Fortified Blank Soil - QCBS2</i></b>	<b>&lt; 25</b>	<b>&lt; 25</b>	<b>mg/kg</b>
<b><i>Laboratory Fortified Spike Soil - QCSS1</i></b>	<b>938</b>	<b>828 - 1024</b>	<b>mg/kg</b>

##### ***Duplication***

<b><i>Laboratory Identification</i></b>	<b><i>( % RSD )</i></b>	<b><i>Limit ( % RSD )</i></b>
<b>11494-4202</b>	<b>&lt; 0.1</b>	<b>15.0</b>

Approved by:   
Date: **7/15/96**

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