

# C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49  
DUNMORE, PA. 18512

Log # 23

Bore Hole No. 81-P Drilled 2/18 19 76

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO  
 210' W of Jackson PINE St At Pittston Location Pittston

Description: 8" injection hole to the pittston vein

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			70		70		
Rock & coal			4		74		
10" casing pipe	74						
Rock			9		83		
OPEN			6		89		
BROKEN ROCK WITH							
SMALL OPENINGS			6		95		
Rock			2		97		
8" casing pipe	83						

Remarks: \_\_\_\_\_

TA-4  
Machine No.

Driller S. King

Bit No. \_\_\_\_\_

Marty Williams  
Department Representative

12 1/4 - 9 3/8  
Type and Size Bit

drilling according to specs

*Drilling and casing are not done as per specs!*

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Drilled 2' from Exp B.H. # 105 Log # 30

Bore Hole No. 82 P Drilled 3/10 19 76

ELEV-1688145

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO  
 At 6' N. COLUMBUS AVE LAGRANGE ST Location Pittston

Description: Injection hole to the pittston vein

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>wash</u>			<u>18</u>		<u>18</u>		
<u>Rock</u>			<u>4</u>		<u>22</u>		
<u>12 casing pipe</u>	<u>22</u>						
<u>Rock</u>			<u>15</u>		<u>37</u>		
<u>coal</u>			<u>1</u>		<u>38</u>		
<u>Rock</u>			<u>35</u>		<u>73</u>		
<u>8 casing pipe</u>	<u>73</u>						
<u>Rock</u>			<u>3</u>		<u>76</u>		
<u>OPEN</u>			<u>10</u>		<u>86</u>		

Remarks: Rock 1 77  
OPEN 1 88  
Rock 2 90

TH 4  
Machine No.

Driller S. Jamieson

Bit No.

J. JAMIESON

12 1/4 - 9 3/8

Department Representative

Type and Size Bit

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Log # 28

Bore Hole No. 83-P Drilled 3/4 ELEV 531.50  
19

## DRILLER'S DAILY REPORT

Drilled by C. S. Excavating Co.  
At 128' W. LaGrange on Cherry Alley #6- Location 128' W. LaGrange

Description: 2" removable plug to the bottom of hole

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>rock</u>			<u>42</u>		<u>42</u>		
<u>rock</u>			<u>4</u>		<u>44</u>		
<u>44' casing pipe</u>	<u>44</u>						
<u>rock</u>			<u>30</u>		<u>74</u>		
<u>74' casing pipe</u>	<u>74</u>						
<u>rock</u>			<u>15</u>		<u>89</u>		
<u>gravel</u>			<u>1</u>		<u>90</u>		
<u>10' 10" material</u>			<u>11</u>		<u>101</u>		
<u>rock</u>			<u>2</u>		<u>103</u>		

Remarks: \_\_\_\_\_

TH-4 Machine No. Driller J. Jamieson

Bit No. \_\_\_\_\_ Department Representative J. JAMIESON

1 1/2" - 1 1/2" Type and Size Bit 2" REMOVABLE PLUG INSTALLED

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Log. # 31

Rec'd by 3-15-76 Elev + 597.20

Bore Hole No. 84-P Drilled 3 19

Pulled 2' From Exploratory B.H. #107

**DRILLER'S DAILY REPORT**

Drilled by \_\_\_\_\_

At # Columbus Ave 169' W of LaGrange

Location \_\_\_\_\_

Description: \_\_\_\_\_

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
			12		12		
			11		22		
			15		37		
			1		38		
			35		73		
			5		78		
			11		89		

Remarks: \_\_\_\_\_

2 91

Machine No. \_\_\_\_\_

Driller \_\_\_\_\_

Bit No. \_\_\_\_\_

J. JAMIESON

Department Representative

Type and Size Bit \_\_\_\_\_

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Log. # 35

Bore Hole No. 45-P Drilled 7/11 19 11

## DRILLER'S DAILY REPORT

ELEV. + 626.00

Drilled by C & S Excavating Co.

At 165' W. VINE ST. INTAKE Location INTAKE

Description: 2" dia. hole to 165'

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>rock</u>			<u>20</u>		<u>20</u>		
<u>rock</u>			<u>4</u>		<u>24</u>		
<u>2" dia. pipe</u>	<u>24</u>						
<u>rock</u>			<u>6</u>		<u>30</u>		
<u>2" dia. pipe</u>	<u>30</u>						
<u>rock (10' 4" dia)</u>			<u>20</u>		<u>50</u>		
<u>rock (10' 4" dia)</u>							
<u>rock</u>			<u>2</u>		<u>52</u>		

Remarks: \_\_\_\_\_

TH-4  
Machine No.

Driller S. JAMESON

Bit No. \_\_\_\_\_

J. JAMESON

1 1/2" - 1 1/2"

Department Representative

Type and Size Bit

# C & S EXCAVATING COMPANY

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~~LOG #~~ 34

SURF. ELEV + 625.00

Bore Hole No. 86-P Drilled 3/18 19 76

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 110' E. LA. BRONX ST. FEUKINS C. ALLEY Location Pittston

Description: 5" IMPERATION HOLE TO THE  
PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>WASH</u>			<u>21</u>		<u>21</u>		
<u>ROCK</u>			<u>4</u>		<u>25</u>		
<u>10" CASING PIPE</u>	<u>25</u>						
<u>ROCK</u>			<u>24</u>		<u>49</u>		
<u>5" CASING PIPE</u>	<u>49</u>						
<u>ROCK (BRONX)</u>			<u>16</u>		<u>65</u>		
<u>WASH (small openings)</u>			<u>6</u>		<u>71</u>		
<u>ROCK</u>			<u>2</u>		<u>73</u>		

Remarks: \_\_\_\_\_

TR-4  
Machine No.

Driller S. Jamieson

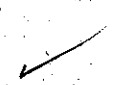
Bit No.

J. JAMIESON

12' 4" - 7/8"

Department Representative

Type and Size Bit



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Log # 26

Bore Hole No. 87-P Drilled 2/27 19 76

## DRILLER'S DAILY REPORT

Elev. + 620.00

Drilled by C & S EXCAVATING CO  
 At Pineon #24 LAGRANGE ST Location Pittston

Description: 8" MONITOR HOLE TO THE  
PITTSFORD VIEW

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			76		76		
ROCK			4		80		
8" CASING PIPE	80						
ROCK			9		89		
SOLID CAVE			11		100		
ROCK			2		102		
S O L I D							

Remarks: \_\_\_\_\_

TR-4  
Machine No.

Driller S. Maglin

Bit No.

J. JAMIESON

9 3/8 - 7 1/4  
Type and Size Bit

Department Representative

2" REMOVABLE PLUG INSTALLED



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DRILLED 2 FT. FROM EXPLORATORY HOLE #14 LOG # 29  
33

ELEV - 610.00

Bore Hole No. PP-P Drilled X/9 19 74

## DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 165' So. PINE #30 LAGRANGE ST Location Pittston

Description: 2" INJECTION HOLE TO THE PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			41		41		
ROCK			4		45		
10" CASING PIPE	45						
ROCK			38		83		
2" CASING PIPE	83						
ROCK			10		93		
OPEN			7		100		
SOFT			2		102		
ROCK			2		104		

Remarks: \_\_\_\_\_

TK-41  
Machine No.

Driller S. Maglio

Bit No. \_\_\_\_\_

J. JAMIESON

12 1/4 - 1 3/8  
Type and Size Bit

Department Representative

2" REMOVABLE PLUG INSTALLED



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*Log # 27*

Bore Hole No. 89-P Drilled 3/3 19 76

## DRILLER'S DAILY REPORT

Elev - +601.00

Drilled by C&S EXCAVATING CO

240' At W LABRANGE ON #1 CHERRY ALLEY Location Pittston

Description: 8" injection hole to THE PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			36		36		
ROCK			4		40		
1" CASING PIPE	40						
ROCK			4		44		
COAL			1		45		
ROCK			29		74		
8" CASING PIPE	74						
ROCK			9		83		
COAL (BROKEN)			9		92		
ROCK			2		94		

Remarks: 2

TR-4  
Machine No.

Driller S. Maglieri

Bit No.

J. JAMIESON

12 1/4 - 9 3/8  
Type and Size Bit

Department Representative

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Bore Hole No. 90-P Drilled 9-2 19 76

## DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At COLUMBUS AVE Location Pittston

Description: 8" INJECTION HOLE TO THE  
PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			23		23		
COAL			1		24		
ROCK			4		28		
10" CASING PIPE	28						
ROCK			32		60		
OPEN			3		63		
BKN. MATERIAL			11		74		
ROCK			2		76		
8" CASING PIPE	55						

Remarks: MEASURED BY TAPE 63'

TA-4  
Machine No.

Driller S. Magli

Bit No.  
10 1/2 - 9 3/8 - 7 3/8

J. KISH  
Department Representative

Type and Size Bit

- 10" D - 28'
- 10" C - 28'
- 8" D - 48'
- 8" C - 55'

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*Log # 66*  
*Recd Log 6-8-76*

Bore Hole No. 91-P Drilled 6/7 19 76

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 213' E. OF LAGRANGE ON E. OAK ST Location Pittston

Description: 8" Injection hole to THE  
PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>MASH</u>			<u>4</u>		<u>4</u>		
<u>Rock (soft)</u>			<u>5</u>		<u>9</u>		
<u>10" CASING PIPE</u>	<u>9</u>						
<u>Rock (soft)</u>			<u>25</u>		<u>34</u>		
<u>OPEN</u>			<u>6</u>		<u>40</u>		
<u>BROKEN ROCK</u>			<u>2</u>		<u>42</u>		
<u>Rock</u>			<u>2</u>		<u>44</u>		
<u>8" CASING PIPE</u>	<u>34</u>						

Remarks: \_\_\_\_\_

TR-4  
Machine No.

Driller S. Maglio

Bit No. \_\_\_\_\_

J. JAMIESON

1 1/4 - 9 3/8  
Type and Size Bit

Department Representative

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Log # 37

Bore Hole No. 92-P Drilled 3/24 Elev - + 650.0  
19 76

## DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 32' - N. OF OAK ON Ly RAY E ST Location Pittston

Description: Injection hole to the  
Pittston vein

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
wash			5		5		
Rock			4		9		
Inserting pipe	9						
Rock			19		28		
Coal			1		29		
Rock			31		60		
Inserting pipe	60						
Rock			8		68		
Open			8		76		
Set			4		80		570.0
Remarks			2		82		

Machine No. TA-4  
Bit No. 124-9 3/8  
Type and Size Bit

Driller S. Mayhew  
J. JAMIESON  
Department Representative

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Log. # 70

Bore Hole No. ~~93~~ Drilled 6/14 19 76

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 95 W. FALGOUT OAK ST Location Pittston

Description: 8" INJECTION HOLE TO THE  
PITTSBURY VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>WASH</u>			<u>6</u>		<u>6</u>		
<u>ROCK</u>			<u>4</u>		<u>10</u>		
<u>10" CASING PIPE</u>	<u>10</u>						
<u>ROCK</u>			<u>65</u>		<u>75</u>		
<u>OPEN</u>			<u>10</u>		<u>85</u>		
<u>SOFT MATERIAL</u>			<u>2</u>		<u>87</u>		
<u>ROCK</u>			<u>2</u>		<u>89</u>		
<u>8" CASING PIPE</u>	<u>65</u>						

Remarks: \_\_\_\_\_

TR-4  
Machine No.

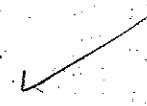
Driller S. Magli

Bit No.

12 1/4 - 9 3/8 - 7 3/8

Type and Size Bit

Department Representative



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*Log #6*  
A.S.P. 17

Bore Hole No. 94 P Drilled 12/27 19 25

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At \_\_\_\_\_ Location Piscataway

Description: Monitoring BH.

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<i>10' sand</i>			6		6		
<i>10' clay</i>			4		10		
<i>10' sand pipe</i>	10						
<i>10' clay</i>			16		26		
<i>10' sand</i>			8		34		
<i>10' clay</i>			95		149		P.H.
<i>10' sand</i>			8		157		
<i>10' sand</i>			1		158		
<i>10' sand</i>			2		160		

Remarks: \_\_\_\_\_

Machine No. \_\_\_\_\_

Bit No. \_\_\_\_\_

Type and Size Bit \_\_\_\_\_

Driller \_\_\_\_\_

*Martin Williams*

Department Representative

# C & S EXCAVATING COMPANY

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*Log #5*

Bore Hole No. 95 P Drilled 12/19 19 75

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At COLUMBUS St Location Pittston

Description: INJECTION HOLE TO THE  
PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			4				
ROCK			4		8		
10' CASING PIPE	8						
ROCK			55		63		
COAL			8		71		
ROCK			37		108		
COAL			6		114		
ROCK			38		152		
COAL			8		160		
ROCK			2		162		

Remarks: SOLID PILLAR

TR4 Driller S Magle

Machine No. 98-124  
Bit No. \_\_\_\_\_

Martin Williams  
Department Representative

Type and Size Bit \_\_\_\_\_

*586  
163  
4.25*

# C & S EXCAVATING COMPANY

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*Log # 40*

Bore Hole No. 96-P Drilled 3/30 19 76

## DRILLER'S DAILY REPORT

89' N. VINE <sup>C&S</sup> EXCAVATING CO  
Drilled by C&S EXCAVATING CO

At Norton ALLEY Location PITTS

Description: 8" Injection hole to THE  
PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>WASH</u>			<u>14</u>		<u>14</u>		
<u>ROCK</u>			<u>4</u>		<u>18</u>		
<u>10" casing pipe</u>	<u>18</u>						
<u>ROCK</u>			<u>3</u>		<u>21</u>		
<u>8" casing pipe</u>	<u>21</u>						
<u>BROKEN MATERIAL</u>			<u>10</u>		<u>31</u>		
<u>ROCK</u>			<u>2</u>		<u>33</u>		

Remarks: Solid } Drilled 2 ft. from Exp. <sup>BH #69</sup>  
 } With 9 ft opening  
 } Pail 2 ft 8" casing for  
 } nothing

TK-4  
Machine No.

Driller S. Maglio

Bit No.

Department Representative

12 1/4 - 9 3/8  
Type and Size Bit



# C & S EXCAVATING COMPANY

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Log# 73

Bore Hole No. 97-P-M Drilled 6/19<sup>18</sup> 19 74

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 30'E. OF ALLEY ON FRUUGHINGHAM ST Location Pittston

Description: Injection hole to THE Pittston

662

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			4		4		
SLATE			11		15		
ROCK			4		19		
10" CASING PIPE	19						
ROCK (CHANGED + BKN)			30		49		
COAL			1		50		
OPEN			9		59		
DRIVEN MATERIAL			5		64		PITTSION +598
ROCK			35		99		
COAL			5		104		MARCY, +558
ROCK			2		106		
8" CASING PIPE	50						

Remarks: \_\_\_\_\_

TR-4  
Machine No.

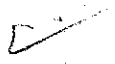
Driller S. May

Bit No.

J. JAMIESON  
Department Representative

12 1/4 - 9 3/4 - 7 3/8  
Type and Size Bit

- DRILLED TO MARCY 9' OPEN PITTSION V  
SOLID IN MARCY V



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Log # 17

Bore Hole No. 98-P Drilled 2 / 2/76 19 76

## DRILLER'S DAILY REPORT

Drilled by C & S Excavating Co  
 160 N. Columbus Ave  
 At OR 1st St Location 1st St

Description: 6" MONITOR HOLE TO THE  
PERMIT VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>MASS</u>			<u>10</u>		<u>10</u>		
<u>Rock</u>			<u>4</u>		<u>14</u>		
<u>BRASS PIPE</u>	<u>14</u>						
<u>CLAY</u>			<u>23</u>		<u>37</u>		
<u>SPON</u>			<u>4</u>		<u>41</u>		
<u>BRICK &amp; ROCK</u>			<u>6</u>		<u>47</u>		
<u>Rock</u>			<u>13</u>		<u>110</u>		
<u>SPON</u>			<u>7</u>		<u>117</u>		
<u>BRASS PIPE</u>			<u>2</u>		<u>119</u>		
<u>BRASS PIPE</u>			<u>2</u>		<u>121</u>		

Remarks: BRASS PIPE 110

Machine No. \_\_\_\_\_ Driller S. J. [unclear]

Bit No. \_\_\_\_\_ Department Representative Monte Williams

Type and Size Bit 7/8 - 7/8

*work being done in accordance with Specs'  
 Drilling and casing not as per Specs*

# C & S EXCAVATING COMPANY

Phone 489-9482

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Log# 59

Bore Hole No. 99-P Drilled 5/19 19 76

## DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 70' W. HIGHT GROAK ST Location Pittston

Description: 8" INJECTION HOLE TO THE PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			37		37		
ROCK			4		41		
10" CASING PIPE	41						
ROCK			44		85		
COAL			2		87		
ROCK			24		111		
BROKEN ROCK			33		144		
ROCK			3		147		

Remarks: DID NOT LOOSE AIR IN BROKEN ROCK

TR-4  
Machine No.

Driller S. Maglin

Bit No.  
12 1/4 - 9 7/8 - 9 3/8

Department Representative

Type and Size Bit

SOLID

# C & S EXCAVATING COMPANY

173

Phone 489-9482

BOX 49  
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Bore Hole No. 100-C Drilled 4-19 19 77

## DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO  
250 SOUTH OFF  
 At GARFIELD ST IN RIVER ALLEY B/W RIVER & Johnson Location Pittston  
 Description: 10" INJECTION HOLE TO THE  
CHECKER VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>wash</u>			<u>13</u>		<u>13</u>		
<u>Pack</u>			<u>4</u>		<u>17</u>		
<u>15" casing pipe</u>	<u>17</u>						
<u>Pack</u>			<u>36</u>		<u>53</u>		
<u>open</u>			<u>1</u>		<u>54</u>		
<u>10" casing pipe</u>	<u>33</u>						

Remarks: \_\_\_\_\_

TR-41  
Machine No.

Driller J. Maglin

Bit No.

P. Wilgus

14-11  
Type and Size Bit

Department Representative

12' DRILLING - 17'  
 12' CASING 17'  
 10' DRILLING 36'  
 10' CASING 33'