

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Bore Hole No. 121-C Drilled 4-20 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 210 SOUTH 6TH GARFIELD ST IN RIVER ALLEY, NW RIVER, JOHNSON ST 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>WDS 4</u>			<u>14</u>		<u>14</u>		
<u>Rock</u>			<u>4</u>		<u>18</u>		
<u>12" casing pipe</u>	<u>18</u>						
<u>Rock</u>			<u>36</u>		<u>54</u>		
<u>COAL</u>			<u>5</u>		<u>59</u>		

Remarks: HOLE SOLID

I1-4
Machine No.

Driller S. Maglio

Bit No.

Peter Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING - 18'
12" CASING 18'
10" DRILLING 41'
10" CASING - NONE

C & S EXCAVATING COMPANY

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Bore Hole No. 122-C Drilled 4-21 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO
 At 200 SOUTH of GARFIELD ST IN RIVER ALLEY BLW RIVER & JOHNSON ST 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>14</u>		<u>14</u>		
<u>ROCK</u>			<u>4</u>		<u>18</u>		
<u>12" CASING PIPE</u>	<u>18</u>						
<u>ROCK</u>			<u>35</u>		<u>53</u>		
<u>OPEN</u>			<u>5</u>		<u>58</u>		
<u>10" CASING PIPE</u>	<u>30</u>						

Remarks: _____

14-4
Machine No.

Driller S. Magli

Bit No. _____

Peter Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING - 18'
12" CASING - 18'
10" DRILLING - 35'
10" CASING - 30'

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BOX 49
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Bore Hole No. 123-C Drilled 4-22 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At ^{190' South of} GARFIELD ST IN RIVER ALLEY ^{blw RIVER + JOHNSON ST} Location Pittston

Description: 10" INJECTION HOLE TO THE CHECKER VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			15		15		
ROCK			4		19		
12" CASING PIPE	19						
ROCK			34		53		
OPEN			4		57		
10" CASING PIPE	38						

Remarks: _____

IA-4
Machine No.

Driller S. Maglio

Bit No.

Peter Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING - 19'
12" CASING - 19'
10" DRILLING - 34'
10" CASING - 38'

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Bore Hole No. B4-C Drilled 4-25 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 180' SOUTH off GARTFIELD ST IN RIVER ALLEY B/W RIVER Location JOHNSON 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>16</u>		<u>16</u>		
<u>ROCK</u>			<u>4</u>		<u>20</u>		
<u>12" CASING PIPE</u>	<u>20</u>						
<u>ROCK</u>			<u>32</u>		<u>52</u>		
<u>OPEN</u>			<u>3</u>		<u>55</u>		
<u>10" CASING PIPE</u>	<u>38</u>						

Remarks: _____

IR-4
Machine No.

Bit No.

14-11

Type and Size Bit

Driller S. Neglia

Peter Wilgus

Department Representative 12" DRILLING - 20'
12" CASING - 20'
10" DRILLING - 32'
10" CASING - 38'

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Bore Hole No. 125C Drilled 4-26 19 77

DRILLER'S DAILY REPORT

Drilled by COS EXCAVATING CO

At 143 SOUTH OF GARFIELD ST IN RIVER ALLEY NW RIVER + JOHNSON ST Location Pittston

Description: 10" INJECTION HOLE TO THE CHECKER VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			20		20		
ROCK			4		24		
15" CASING PIPE	24						
ROCK			29		53		
COAL			6		59		

Remarks: _____

TK-4
Machine No.

Driller S. Magli

Bit No.

14-11
Type and Size Bit

Department Representative

- 12" DRILLING 24'
- 12" CASING 24'
- 10" DRILLING 35'
- 10" CASING NONE

C & S EXCAVATING COMPANY

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Phone 489-9482

Bore Hole No. 1260 Drilled 4-27 19 77

DRILLER'S DAILY REPORT

Drilled by C/S EXCAVATING CO

At ^{134 SOUTH off} ~~GARFIELD ST~~ RIVER ALLEY ^{ALW. RIVER} ~~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>20</u>		<u>20</u>		
<u>Rock</u>			<u>4</u>		<u>24</u>		
<u>12" CASING PIPE</u>	<u>24</u>						
<u>Rock</u>			<u>28</u>		<u>52</u>		
<u>COAL</u>			<u>6</u>		<u>58</u>		

Remarks: _____

IR-4
Machine No.

Driller S. Maglio

Bit No.

Peter Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING 24'
12" CASING 24'
10" DRILLING 34'
10" CASING NONE.

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BOX 49
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Bore Hole No. 127-C Drilled 4-28 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At ^{125' SOUTH OFF} GARFIELD ST IN RIVER ALLEY BLW RIVER & Johnson St ^{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>20</u>		<u>20</u>		
<u>ROCK</u>			<u>4</u>		<u>24</u>		
<u>12" CASING PIPE</u>	<u>24</u>						
<u>ROCK</u>			<u>27</u>		<u>51</u>		
<u>SOIL</u>			<u>6</u>		<u>57</u>		

Remarks: _____

IA-4
Machine No.

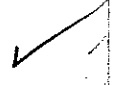
Driller S. Magli

Bit No.

Peter Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING 24'
12" CASING 24'
10" DRILLING 33'
10" CASING - NONE



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Bore Hole No. 128-C Drilled 4-29 19 77

DRILLER'S DAILY REPORT

Drilled by CAS EXCAVATING CO

At ^{120 SOUTH off} GARFIELD ST IN RIVER ALLEY B/W RIVER Location JOHNSVILLE

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>20</u>		<u>20</u>		
<u>ROCK</u>			<u>4</u>		<u>24</u>		
<u>12" CASING PIPE</u>	<u>24</u>						
<u>ROCK</u>			<u>27</u>		<u>51</u>		
<u>COAL</u>			<u>2</u>		<u>53</u>		
<u>OPEN</u>			<u>4</u>		<u>57</u>		
<u>10" CASING PIPE</u>	<u>42</u>						

Remarks: _____

IR-4
Machine No.

Driller S. Maglio

Bit No.

Peter Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING. 24'
12" CASING - 24'
10" DRILLING - 29'
10" CASING. 42'

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Bore Hole No. 129C Drilled 5/4 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 98 SOUTH ST GARFIELD ST IN RIVER ALLEY ON 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.	
WASH			20		20		
ROCK			4		24		
12" CASING PIPE	24						
ROCK			26		50		
OPEN			1		51		
SOFT MATERIAL			6		57		
10" CASING PIPE	34						

Remarks: _____

IA-4
Machine No.

Driller S. Magli

Bit No.

Peter Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING - 24'
12" CASING - 24'
10" DRILLING - 26'
10" CASING - 34'

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
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Bore Hole No. 130-c Drilled 5-2 19 77

DRILLER'S DAILY REPORT

Drilled by C&S Excavating Co

At 108 SOUTH off GARFIELD ST IN RIVER ALLEY NW RIVER JOHNSON ST 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>22</u>		<u>22</u>		
<u>BACK</u>			<u>1</u>		<u>23</u>		
<u>12" CASING PIPE</u>	<u>23</u>						
<u>BACK</u>			<u>29</u>		<u>52</u>		
<u>OPEN</u>			<u>2</u>		<u>54</u>		
<u>10" CASING PIPE</u>	<u>31</u>						

Remarks: _____

IP-4
Machine No.

Driller S. Magli

Bit No.

Peter Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING - 23'
12" CASING - 23'
10" DRILLING - 29'
10" CASING - 31'

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Bore Hole No. 131C Drilled 5/6 19 77

DRILLER'S DAILY REPORT

Drilled by C&S Excavating Co

At 88' SOUTH of + GARFIELD ST in RIVER ALLEY BLW RIVER, Johnson St Location Pittston

Description: 10" INJECTION HOLE TO THE CHECKER VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			20		20		
ROCK			4		24		
12" CASING PIPE	24						
ROCK			21		45		
OPEN			1		46		
BKN MATERIAL			10		56		
10" CASING PIPE	36						

Remarks: _____

IR-4
Machine No.

Driller S. Magli

Bit No.

Peter Allegro
Department Representative

14-11
Type and Size Bit

12" DRILLING - 24'
12" CASING - 24'
10" DRILLING - 21'
10" CASING - 36'

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Bore Hole No. 132-RC Drilled 5-9 19 77

DRILLER'S DAILY REPORT

Drilled by COS EXCAVATING CO

At 78' SOUTH off GARFIELD ST IN RIVER ALLEY BLW 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>WAS 4</u>			<u>21</u>		<u>21</u>		
<u>ROCK</u>			<u>4</u>		<u>25</u>		
<u>12" CASING PIPE</u>	<u>25</u>						
<u>ROCK</u>			<u>24</u>		<u>49</u>		
<u>BKN MATERIAL</u>			<u>7</u>		<u>56</u>		

Remarks: _____

I 11-4
Machine No.

Driller S. Magli

Bit No.

Peter Wilgus

14-11
Type and Size Bit

Department Representative
 12" DRILLING 25'
 12" CASING 25'
 10" DRILLING 31'
 10" CASING NONE

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
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LOG # 14

Bore Hole No. 133-P Drilled 1/21 19 96

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO
 At 153 S. OF PINE on High St Location Pittston

Description: 8" INJECTION HOLE TO THE
PITTSBORO VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>WASH</u>			<u>22</u>		<u>22</u>		
<u>ROCK</u>			<u>4</u>		<u>26</u>		
<u>10" CASING PIPE</u>	<u>26</u>						
<u>ROCK</u>			<u>84</u>		<u>110</u>		
<u>COAL</u>			<u>5</u>		<u>115</u>		
<u>OPEN</u>			<u>5</u>		<u>120</u>		
<u>ROCK</u>			<u>2</u>		<u>122</u>		
<u>8" CASING PIPE</u>	<u>115</u>						

Remarks: _____

TR-4
Machine No.

Driller S. Magli

Bit No.

Martin Williams

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

Department Representative

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Log # 8

Bore Hole No. 134CP Drilled 12/31 19 75

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At COLLEEN BLVD ST Location Pittston

Description: 8" Injection Hole to the
Pittston Vein

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>rock</u>			<u>4</u>		<u>4</u>		
<u>rock</u>			<u>4</u>		<u>8</u>		
<u>iron pipe</u>	<u>8</u>						
<u>rock</u>			<u>28</u>		<u>46</u>		
<u>open</u>			<u>5</u>		<u>51</u>		
<u>rock</u>			<u>79</u>		<u>140</u>		
<u>rock</u>			<u>14</u>		<u>164</u>		
<u>rock</u>			<u>2</u>		<u>166</u>		
<u>iron pipe</u>	<u>46</u>						

Remarks: _____

T-4
Machine No.

Driller [Signature]

Bit No.

[Signature]
Department Representative

1 1/2"
Type and Size Bit

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
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Log #11

Bore Hole No. 135-P Drilled 1/8 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At COLUMBUS 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			2		2		
ROCK			4		6		
10" CASING PIPE	6						
ROCK			17		23		
COAL			1		24		
ROCK			16		40		
COAL			7		47		
ROCK			93		140		
BROKEN ROCK			5		145		
ROCK			2		147		
COAL			10		157		
ROCK			2		159		

Remarks: SOLID

TR-4

Machine No.

Driller S. Maglio

Bit No.

Martin Williams

12 1/4 - 9 3/8

Department Representative

Type and Size Bit

C & S EXCAVATING COMPANY

Phone 489-9482

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Rec'd Log 1-14-76

Log 12

Bore Hole No. 136-P Drilled 1/12/76 19 76

DRILLER'S DAILY REPORT

Drilled by C & S Excavating Co

At ALLEY off Columbus Location Pittston

Description: INJECTION HOLE to THE
PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			6		6		
ROCK			4		10		
10" CASING PIPE	10						
ROCK			36		46		
COAL			8		54		
ROCK			95		149		
OPEN			8		157		
WATERING			1		158		
ROCK			2		160		
1" CASING PIPE	149						

Remarks: _____

TH-4
Machine No.

Driller S. May Jr

Bit No.

Master Williams

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

Department Representative

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Reed Log 2-5-76 Log # 18

Bore Hole No. 137-P Drilled 2/3 19 76

DRILLER'S DAILY REPORT

Drilled by CAS EXCAVATING CO

At Johnson 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			3		3		
Rock			4		7		
10" CASING PIPE	7						
Rock			41		48		
Coal			6		54		
Rock			67		121		
OPEN			1		122		
CRUSHED COAL & ROCK			20		142		
OPEN			1		143		
BROKEN COAL & ROCK			2		145		
Rock			2		147		
8" CASING PIPE	121						

Remarks: _____

TR-4
Machine No.

Driller S. Magli

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

Martin Williams
Department Representative

Type and Size Bit

Job done according to Specs
Pulling and Casing not as per Specs ✓

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
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Log # 67
Rec'd Log 5-26-76

Bore Hole No. 138-PM Drilled 5/25 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 6' W. OF TOMPKINSON COLUMBUS 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			17		17		
ROCK			4		21		
10" CASING PIPE	21						
ROCK			29		50		
COAL			1		51		Checker? 528
ROCK (BRACKEN)			89		140		
ROCK			3		143		
OPEN			4		147		
SOFT MATERIAL			1		148		Marcy 43.1
ROCK			2		150		
8" CASING PIPE	141						

Remarks: WATER STARTED AT 65'
LOST AIR AND WATER AT 85'

TRY Driller S. Magle

Machine No. _____ Bit No. J. JAMIESON

1 3/4 - 9 1/2 - Department Representative

Type and Size Bit

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Log # 68 1/2

Raid Log 67-76

Bore Hole No. 138-PM Drilled 8/31 19 96

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

~~408~~ At COLUMBUS AVE Location Pittston

Description: CONTINUATION OF B.H. 138-P

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>Rock</u>			<u>50</u>		<u>200</u>		<u>379</u>
* CONTINUATION OF BH 138-P FROM A DEPTH OF 150' TO DETERMINE PITTSTON VEIN							
<i>SOL</i>							

Remarks: _____

TK-4
Machine No.

Driller S. Magli

Bit No.
7/8

J. JAMIESON
Department Representative

Type and Size Bit

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Log # 63

Rec'd: 5-28-76

Bore Hole No. 139-P Drilled 5/27 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 4R S. Dock on Wharf St Location Pittston

Description: 8" INJECTION HOLE TO THE
PITTSBURGH VEIN

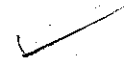
STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
Wash			60		60		
Rock			4		64		
10" casing pipe	64						
Rock			10		74		
Coal (soft) ✓			8		82		
Rock			2		84		

Remarks: *[Signature]*

T-4 Machine No. Driller S. Maglin

Bit No. _____

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



C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Log# 67
Rec'd Log 6-9-76

Bore Hole No. 140-P Drilled 6/8 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 340' H. OF MARKET ON WOLF ST 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			50		50		
Rock			4		54		
10" casing pipe	54						
Rock (soft)			10		64		
Coal			8		72		
Rock			2		74		
<u>SOLD</u>							

Remarks: _____

TR-4
Machine No.

Driller S. Maglin

Bit No. _____

J. JAMIESON

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

Department Representative

