

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Log # 49

SURF. ELEV. 580.09

Bore Hole No. 61-P Drilled 4/20 19 76

DRILLER'S DAILY REPORT

Drilled by C & S Excavating Co

40'-E. RIVER ST ON 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>WASH</u>			<u>10</u>		<u>10</u>		
<u>ROCK</u>			<u>4</u>		<u>14</u>		
<u>10" CASING PIPE</u>	<u>14</u>						
<u>ROCK</u>			<u>62</u>		<u>76</u>		
<u>OPEN</u>			<u>3</u>		<u>79</u>		
<u>BROKEN ROCK</u>			<u>2</u>		<u>81</u>		
<u>ROCK</u>			<u>73</u>		<u>154</u>		
<u>BROKEN ROCK</u>			<u>23</u>		<u>177</u>		
<u>ROCK</u>			<u>2</u>		<u>179</u>		

8" CASING PIPE 136'

TR-4
Machine No.

Driller S. Magli

Bit No.

J. JAMIESON

Department Representative

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

C & S EXCAVATING COMPANY

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BOX 49
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Log # 33

Bore Hole No. 62-P Drilled 3/19 19 76

ELEV. + 584.23

DRILLER'S DAILY REPORT

WATER ELEV. + 531.23

Drilled by C & S EXCAVATING CO

107' So. RAILROAD ST. ON MAIN ST Location Pitt.

Description: 8" INJECTION HOLE TO THE PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>Mud</u>			<u>11</u>		<u>11</u>		
<u>Rock</u>			<u>4</u>		<u>15</u>		
<u>1" casing pipe</u>	<u>15</u>						
<u>Rock</u>			<u>34</u>		<u>49</u>		
<u>8" casing pipe</u>	<u>49</u>						
<u>Rock</u>			<u>16</u>		<u>65</u>		
<u>open</u>			<u>10</u>		<u>75</u>		
<u>Soft MAT</u>			<u>1</u>		<u>76</u>		
<u>Rock</u>			<u>2</u>		<u>78</u>		

Remarks: _____

TR-4
Machine No.

Driller S. Maglio

Bit No.

J. JAMIESON

124-9 7/8
Type and Size Bit

Department Representative

2" PLUG INSTALLED

C & S EXCAVATING COMPANY

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BOX 49
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Bore Hole No. 63-C Drilled 4-14 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At ^{345' SOUTH off} ~~GARFIELD ST~~ IN RIVER ALLEY ^{BLW Johnson + RIVER 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>			13		13		
<u>Rock</u>			4		17		
<u>12" casing pipe</u>	17						
<u>Rock</u>			34		51		
<u>Coal</u>			2		53		
<u>BKW MATERIAL</u>			4		57		

Remarks: BARRIER HOLE

IR-4
Machine No.

Driller S. Magli

Bit No.

14-11
Type and Size Bit

Department Representative
 12" DRILLING - 17'
 12" CASING - 17'
 10" DRILLING - 40'
 10" CASING - NONE

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Bore Hole No. 64-C Drilled 4-15 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 235' 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>13</u>		<u>13</u>		
<u>Rock</u>			<u>4</u>		<u>17</u>		
<u>10" casing pipe</u>	<u>16</u>						
<u>Rock</u>			<u>21</u>		<u>38</u>		
<u>BKW Rock</u>			<u>12</u>		<u>50</u>		
<u>open</u>			<u>1</u>		<u>51</u>		
<u>BKW MATERIAL</u>							
<u>small openings</u>			<u>6</u>		<u>57</u>		
<u>10" casing pipe</u>	<u>20</u>						

Remarks: _____

IA-4
Machine No.

Driller S. May Jr

Bit No. _____

P Wilgus
Department Representative

14-11
Type and Size Bit

12" DRILLING - 17'
12" CASING - 16'
10" DRILLING - 33'
10" CASING - 20'

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Log# 55

Bore Hole No. 65-P Drilled 5/7 19 76
Rec'd. Log 5-10-76

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING Co

At 30' W. TOMPKINS ST. ON RAILROAD SE 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>WASH</u>			<u>20</u>		<u>20</u>		
<u>Rock</u>			<u>4</u>		<u>24</u>		
<u>10" PIPE</u>	<u>24</u>						
<u>Rock</u>			<u>24</u>		<u>48</u>		
<u>COAL</u>			<u>2</u>		<u>50</u>		<u>Checker</u>
<u>Rock</u>			<u>39</u>		<u>89</u>		
<u>Coal</u>			<u>13</u>		<u>102</u>		<u>Pittston</u>
<u>Rock</u>			<u>2</u>		<u>104</u>		

Remarks: SOLID

Machine No. TH-4 Driller S. Magli

Bit No. _____

Type and Size Bit 12 1/4 - 9 1/8 - 9 7/8 Department Representative _____

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Log# 47

Rec'd. Log 4-14-76

Bore Hole No. BH-66-P Drilled 4/17 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING Co

At 135 S. RAILROAD HIGH ST Location Pittston

Description: 8" INJECTION HOLE TO THE
PITSTON VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			39		39		
ROCK			4		43		
10" CASING PIPE	43						
ROCK			32		75		
COAL			1		76		
ROCK			37		113		
TIGHT CAVE			12		125		Pittston
ROCK			2		127		

Remarks: DID NOT LOOSE AIR IN CAVE

TR-4
Machine No.

Driller S. Magli

Bit No.

J. J AMIESON

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

Department Representative

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Log # 21

Bore Hole No. 67-P Drilled 2/11¹² 19 74

DRILLER'S DAILY REPORT

Drilled by COS EXCAVATING CO

At 8' N. PINE ON MAIN ST Location Pittston

Description: 8" INJECTION HOLE TO THE
PITTS TOWN VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			53		53		
ROCK			2		55		
10" CASING PIPE	55						
ROCK			10		65		
COAL			13		78		
ROCK			2		80		
<u>S O M P</u>							

Remarks: _____

TR-4
Machine No.

Driller S. Maglio

Bit No.

Martin Williams

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

Department Representative
work being done according to specs



C & S EXCAVATING COMPANY

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Log# 39

Bore Hole No. BH # 18-P Drilled 3/17¹⁶ 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 101st W. Railroad ON MAIN 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			33		33		
ROCK			4		37		
10" CASING PIPE	37						
ROCK			12		49		
8" CASING PIPE	49						
ROCK			6		55		
OPEN			10		65		
BROKEN MATERIAL			2		67		
ROCK			2		69		

Remarks: _____

Machine No. TA-41
Bit No. 12 1/4 - 1 3/8
Type and Size Bit

Driller S. J. Jamieson
J. JAMIESON
Department Representative

2" PLUG INSTALLED

C & S EXCAVATING COMPANY

Phone 489-9482

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Log# 51

Rec'd log 4-26-76

Bore Hole No. 69-P Drilled 4/23/1976

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 140' N. OF OAK HIGH 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>43</u>		<u>43</u>		
<u>ROCK</u>			<u>4</u>		<u>47</u>		
<u>10" CASING PIPE</u>	<u>47</u>						
<u>ROCK</u>			<u>27</u>		<u>74</u>		
<u>COAL</u>			<u>1</u>		<u>75</u>		
<u>ROCK</u>			<u>36</u>		<u>111</u>		
<u>OPEN</u>			<u>5</u>		<u>116</u>		
<u>BROKEN & SOFT MATERIAL</u>			<u>8</u>		<u>124</u>		
<u>ROCK</u>			<u>2</u>		<u>126</u>		

Remarks: 8" CASING PIPE 98'

TR-4
Machine No.

Driller S. Magli

Bit No.

J. JAMIESON

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

Department Representative

DEPARTMENT OF

ENVIRONMENTAL RESOURCES

Log # 2

DRILLERS REPORT

MUNICIPALITY PITTSBURGH PROJECT NO. ASPI-1

STREET DINE St. 60' East of Elizabeth

DESCRIPTION 8" INJECTION B.A. 70 PITTSBURGH VEIN

BOREHOLE NO. 70-P DRILLED 11-28- 1976

DRILLED BY E+S Surface Elevation 570.42

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED			DRILLED		TOTAL		VEIN	NAME OF
		IN	PT	IN	FT	IN	FT	IN	ELEVATION	VEIN		
	WASH				130		13	0				
	Rock				20		15	0				
	COAL				10		16	0				
	OPEN				50		21	0				
	Rock				40		25	0				
	10" STAMPED	10"	250									
	Rock				830		108	0				
	OPEN				90		117	0				PITTSBURGH

REMARKS 10" DRILL 25' 10" CASE 25'
84" 11 83' 84" 01 108'

MACHINE NO. FRY DRILLER SAL MAGLIO

BIT NO. _____ DEPT. REPRESENTATIVE J. Jameson

TYPE & SIZE OF BIT 1 7/8 - 9 7/8"

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Log #9

Bore Hole No. 71 P Drilled 1/6 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At COLUMBUS ST Location Pittston

Description: 8" INJECTION HOLE TO THE
PITTSFORD 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			45		66		
COAL			1		67		
ROCK			42		109		
OPEN			1		110		
BRKEN (SMALL OPENINGS)			11		121		
ROCK			23		144		
BRKEN ROCK			4		148		
Remarks:			3		151		

8" CASING PIPE 109

TR-4
Machine No.

Driller S. Maglio

Bit No.

M. WILLIAMS

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

Department Representative

C & S EXCAVATING COMPANY

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Log# 50

Reel Log 4-22-76

Bore Hole No. 43-P Drilled 7/21/1976

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 40' N. OF PINE KENNEDY BLVD 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			20		20		
Rock			4		24		
10" CASING PIPE	24						
Rock			1		25		
COAL			1		26		
Rock			5-1		27		
COAL			19		46		
Rock			2		48		

Remarks:

SOLID

TR-4
Machine No.

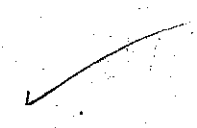
Driller S. Magli

Bit No.

J. JAMIESON

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

Department Representative



C & S EXCAVATING COMPANY

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Log# 22

Recd-log 21770

Bore Hole No. 74-P Drilled 2/16 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

135' E MAIN ON MARKET 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			62		62		
10" casing pipe	62						
COAL			13		75		
ROCK			2		77		
<u>SOLD</u>							

Remarks: _____

TR-4
Machine No.

Driller S Magli

Bit No.

Marty William

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

Department Representative

SOLD

C & S EXCAVATING COMPANY

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Log # 15

Bore Hole No. 75 P Drilled 1/26 19 76

DRILLER'S DAILY REPORT

Drilled by C & S Excavating Co
 At 330 So. of Pocket St. over Location Pittston
KIMBERLY BLVD

Description: 6" Monitor hole to the
PITTSBURGH VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
Wash			34		34		
Rock			4		38		
Casing pipe	38						
Rock			60		98		
BA 400 Rock + Coal			9		107		
Open			8		115		
Rock			2		117		
6" casing pipe	107						

Remarks: _____

TH-4
Machine No.

Bit No.

9/16 - 2 1/2"
Type and Size Bit

Driller S. Maglieri

Martin Williams
Department Representative

C & S EXCAVATING COMPANY

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DUNMORE, PA. 18512

Log # 13

Bore Hole No. 76-P Drilled 1/15 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At KENNEDY RD 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			44		44		
ROCK			4		48		
10" CASING PIPE	48						
ROCK			32		80		
COAL			3		83		
OPEN			5		88		
ROCK			1		89		
OPEN			3		92		
SOFT MATERIAL			1		93		
ROCK			2		95		

Remarks: 8" CASING PIPE 83

TH-4
Machine No.

Driller S. Maglin

Bit No.

Martin Williams

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

Department Representative

C & S EXCAVATING COMPANY

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DUNMORE, PA. 18512

Log # 30

Bore Hole No. 77-P Drilled 2/10 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO
 At 55 N. Spring on MAIN 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			58		58		
COAL			10		68		
10" casing pipe	68						
ROCK			19		87		
<u>SOLID</u>							

Remarks: PAY 8" DRILLING 3' INTO BOTTOM ROCK

TA-4
Machine No.

Driller S. Magli

Bit No.

Marty Williams

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

Department Representative

work by ...

LEEV 573.20

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Log # 19

78-P

Bore Hole No.

77-P

Drilled

2/6

19

76

DRILLER'S DAILY REPORT

Drilled by

C & S Excavating Co

130' N. SPRING

Location

Pittston

Description:

8" injection hole to the
Pittston vein

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
rock			64		64		
rock			4		68		
winning pipe	18						
rock			2		70		
coal			15		85		PITTSBOK
rock			2		87		

Remarks:

TQ-41

Machine No.

Driller

S. Taylor

Bit No.

Department Representative

Martin Williams

Type and Size Bit

124-13

Job done according to specs.
Drilling and casing notes per Specs

C & S EXCAVATING COMPANY

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Log # 75

Bore Hole No. 79-P Drilled 2/25 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 40'-N- Pine on 24-LAGRANGE 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			82		82		
ROCK			4		86		
10" CASING PIPE	86						
ROCK			4		90		
8" CASING PIPE	90						
ROCK			8		98		
BROKEN ROCK			14		112		
ROCK			2		114		

Remarks: _____

TR-4
Machine No.

Driller S. Magala

Bit No. _____

J. JAMIESON

1 1/4 - 9 3/4

Department Representative

Type and Size Bit

2" Removable plug installed

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
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Log. # 24

Bore Hole No. 80-P Drilled 2/23 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At #28-PINE 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			87		87		
ROCK			4		91		
10" CASING PIPE	91						
ROCK			4		95		
8" CASING PIPE	95						
ROCK			4		99		
BROKEN ROCK							
WITH SMALL OPENINGS			20		119		
ROCK			2		121		

Remarks: _____

TD-4
Machine No.

Driller S. Maglio

Bit No.

J. JAMIESON

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

Department Representative

3" REMOVABLE PLUG INSTALLED
Sal Narduzzi ✓