

C & S EXCAVATING COMPANY

Phone 489-9482

BOX 49
DUNMORE, PA. 18512

Log #10

Bore Hole No. 21-c Drilled 1/1 19 26

DRILLER'S DAILY REPORT

Drilled by C & S Excavating Co.

At BRIDGEMOUTH ST Location NEAR

Description: Imp. top hole to the
water vein

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
			1		1		
			4		5		
10" pipe	5						
			15		20		
			1		21		
			1		22		
			8		30		
			2		32		
8" pipe	22						

Remarks: _____

Machine No. _____ Driller [Signature]

Bit No. _____ Department Representative _____

Type and Size Bit [Signature]



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Bore Hole No. 22-CP Drilled 9-9 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 210' N. OF OAK HALLWAY B/W JOHNSON & RIVER ST. Location Pittston

Description: 8" Injection Hole to TIE
Pittston Vein

+ 590

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			9		9		
ROCK			4		13		
10" CASING PIPE	13						
ROCK			55		68		
OPEN			4		72		
ROCK			2		74		
OPEN			2		76		
ROCK			73		149		
OPEN			6		155		
BLW MATERIAL			6		161		
ROCK			2		163		

Remarks: ROCK

8" CASING PIPE 139

TR-4 Driller S. Magli

Machine No. 124-99-73

Bit No. J. KISH

Department Representative

Type and Size Bit

MEASURED

DEPTH WITH TAPE - 155'

10" D - 131'
10" C - 131'
8" D - 136'
8" C - 139'

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Log # 56

Bore Hole No. 23 C-P Drilled 5/12 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 50' W. of Pittston OAK ST Location Pittston

Description: 8" INJECTION HOLE TO THE CHECKER AND PITTSBURY VEINS

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
MASS			4		4		
ROCK			4		8		
OPEN			4		12		
BROWN ROCK			7		19		600
ROCK			4		23		
8" CASING PIPE	23						
ROCK			5		74		
CLAY			2		76		543
ROCK			6		137		
OPEN			5		142		Pittston 477
ROCK			3		145		
8" CASING PIPE	124						

Remarks: _____

Machine No. _____ Driller S. Maglie

Bit No. _____

1 3/4 - 9 3/8 - 7 3/8 Department Representative _____

Type and Size Bit

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Bore Hole No. 24-C Drilled 7/7 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 90'S. OF GAR BLV JOHNSON & ELIZABETH ST IN ALLEY Location Pittston

Description: 8" INJECTION HOLE TO THE CHECKER VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Dip of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>WASH</u>			<u>8</u>		<u>8</u>		
<u>ROCK</u>			<u>4</u>		<u>12</u>		
<u>10" CASING PIPE</u>	<u>12</u>						
<u>ROCK</u>			<u>13</u>		<u>25</u>		
<u>COAL</u>			<u>8</u>		<u>33</u>		
<u>ROCK</u>			<u>2</u>		<u>35</u>		

Remarks: _____

TR-4
Machine No.

Driller S. Magli

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

S. PALUCK
Department Representative

Type and Size Bit

10" D 12'
10" C 12'
8" D 23'

NO 8" CASING INSTALLED



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Bore Hole No. 25 C Drilled 3/7 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

Intersection of Alley between River and Johnson on West St.

At WEST ST AT RIVER ALLEY 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" pipe</u>	<u>18</u>						
<u>Rock</u>			<u>21</u>		<u>39</u>		
<u>Coal</u>			<u>2</u>		<u>41</u>		
<u>Rock</u>			<u>2</u>		<u>43</u>		

Remarks: HOLE SOLID

TR-41
Machine No.

Driller S. Magli

Bit No.

B DRUCTOR

15 - 12 1/4
Type and Size Bit

Department Representative

12" DRILLING - 18'
12" CASING - 18'
10" DRILLING - 25'
10" CASING - NONE

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Bore Hole No. 26-C Drilled 3/8 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO
At RIVER ALLEY 10' SOUTH OF WEST ST. Location PITTSBORO
Description: 10' INJECTION HOLE TO THE CHECKER VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			14		14		
ROCK			4		18		
12" CASING PIPE	18						
ROCK			17		35		
BRKN ROCK			3		38		
OPEN			1		39		
BRKN ROCK			2		41		
ROCK			2		43		
10" CASING PIPE	38						

Remarks: _____

1R-4
Machine No.

Driller S MAGLIO

Bit No.
14-12 1/4
Type and Size Bit

Department Representative

12" DRILLING 18'
 12" CASING 18'
 10" DRILLING 25'
 10" CASING 38' ✓

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Bore Hole No. 27-C Drilled 9-16 19 76
near BHO2

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 95' E. OF JOHNSON FROUGHINGHAM ST Location Pittston

Description: 8" INJECTION HOLE TO THE
CHECKER VEIN + 624

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			16		16		
Rock			4		20		
10" CASING PIPE	20						
Rock			35		45		
OPEN			6		51		
BKN MATERIAL			1		52		
Rock			2		54		
8" CASING PIPE	27						

Remarks: MEASURED WITH TAPE - 51

TR-4
Machine No.

Driller S. Magli

Bit No.
12 1/4 - 9 3/8 - 9 3/8
Type and Size Bit

J. KISK
Department Representative

10" D - 20'
10" C - 20'
8" D - 25'
8" C - 37'

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Bore Hole No. 28-C-P Drilled 1-11 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 30'S. OF WEST ST. ON JOHNSON ST Location Pittston

Description: 8" INJECTION HOLE TO THE
CHECKER AND PITTSBURGH VEINS +623

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			7		7		
ROCK			4		11		
10" CASING PIPE	11						
ROCK			19		30		
BKN. ROCK			20		50		
OPEN			2		52		
ROCK			110		162		
COAL			11		173		
ROCK			2		175		

8" CASING PIPE 49'
Remarks:

IR-4
Machine No.

Driller S. Maglin

Bit No.
124-4 7/8 - 7 7/8

J. KISH
Department Representative

Type and Size Bit

10" D.	11'
10" C.	11'
8" D.	164'
8" C.	49'

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Bore Hole No. 29-c Drilled 11-22 19 76

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 130's. of oak st on High St Location Pittston

Description: 8" Injection hole to the
CHICKEN VEIN

F623

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>WASH</u>			<u>32</u>		<u>32</u>		
<u>Rock</u>			<u>4</u>		<u>36</u>		
<u>10" casing pipe</u>	<u>36</u>						
<u>Rock</u>			<u>23</u>		<u>59</u>		
<u>OPEN</u>			<u>5</u>		<u>64</u>		
<u>BKN MATERIAL</u>			<u>1</u>		<u>65</u>		
<u>Rock</u>			<u>2</u>		<u>67</u>		
<u>8" casing pipe</u>	<u>50</u>						

Remarks: MEASURED BY TAPE 65'

TR-4
Machine No.

Driller S. Magli

Bit No.

J. KISH

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

Department Representative

10" DRILLING	36'
10" CASING	36'
8" DRILLING	23'
8" CASING	50'

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Bore Hole No. 29CP Drilled 1-13 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 20' N. OF WEST ST ^{ON} RIVER ST Location Pittston

Description: 8" INJECTION HOLE TO THE
PITTSBURGH & CHESTER VEINS

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			11		11		
Rock			4		15		
10" CASING PIPE	15						
Rock			25		40		
BKN. COAL			3		43		
Rock			104		147		
COAL			11		158		
Rock			2		160		
8" CASING PIPE	39						

Remarks: LOST AIR AND CUTTINGS IN
BROKEN COAL

IN-4
Machine No.

Driller S. Magli

Bit No.

J. KISH

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

Department Representative

10" D - 15'
10" C - 15'
8" D - 145'
8" C - 39'

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Bore Hole No. 30-C Drilled 3/9 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At RIVER ALLEY ^{40' SOUTH OF WEST 8/W RIVERS JOHNSON} Location Pittston

Description: 10" INJECTION HOLE TO THE CHECKED VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
WASH			8		8		
Rock			4		12		
12" CASING PIPE	12						
Rock			25		37		
DPEW			2		39		
BKN. Rock			3		41		
Rock			2		43		
10" CASING PIPE	36						

Remarks: BARRIER HOLE FOR 2" MATERIAL

IK-4
Machine No.

Driller S. Magli

Bit No.

Department Representative

14-12 1/4
Type and Size Bit

12" DRILLING - 12'
12" CASING - 12'
10" DRILLING - 25'
10" CASING - 36'?

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Bore Hole No. 31-CP Drilled 1-7 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 328'S. OF WEST ON JOHNSON ST Location Pittston

Description: 8" INJECTION HOLE TO THE CHECKER AND PITTSBORO VEINS

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
Wash			17		17		
Rock			4		21		
10" casing pipe	21						
Rock			37		58		
Coal (Broken)			5		63		
Rock			110		173		
Coal			11		184		
Rock			2		186		
8" casing pipe	58						

Remarks: Lost AIR AND CUTTINGS IN CHECKER VEIN PITTSBORO VEIN SOLID

IR-4 Driller S. Magli

Machine No. _____ Bit No. J. KISH

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

Department Representative 10" D - 21'
10" C - 21'
8" D - 165'
8" C - 58'

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Bore Hole No. 32-CP Drilled 12/24/76 19

DRILLER'S DAILY REPORT

Drilled by COS EXCAVATING CO

At GARTFIELD ST 120' EAST of JOHNSON ST. 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			16		16		
Rock			4		20		
10" casing pipe	20						
Rock			30		50		
OPEN			4		54		
BKM MATERIAL			3		57		
Rock			120		177		
COAL			13		190		
Rock			2		192		

Remarks: 8" casing pipe 49'

TR-4
Machine No.

Driller S. Maglin

Bit No.
124-9 7/8 - 7 7/8
Type and Size Bit

Department Representative A. Jamieson

10" DRILLING - 20'
10" CASING - 20'
8" DRILLING - 172'
8" CASING - 49'

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Bore Hole No. 33-C-D Drilled 1-4 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 10' E OF JOHNSON ST. ^{ON} GARFIELD ST Location Pittston

Description: 8" INJECTION HOLE TO THE
PITTSBURGH 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>10" casing pipe</u>	<u>20</u>						
<u>Rock</u>			<u>10</u>		<u>30</u>		
<u>BKN. ROCK</u>			<u>26</u>		<u>56</u>		
<u>Rock</u>			<u>121</u>		<u>177</u>		
<u>COAL</u>			<u>12</u>		<u>189</u>		
<u>Rock</u>			<u>2</u>		<u>191</u>		
<u>8" casing pipe</u>	<u>30</u>						

Remarks: _____

TR-4
Machine No.

Driller S. Magli

Bit No. _____

J. KISH

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

Department Representative

16" D - 20'
10" C - 20'
8" D - 171'
8" C - 30'

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Bore Hole No. 34-C Drilled 12-6 19 76

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

90' SOUTH OF TROTtingham IN ALLEY BETWEEN
At TOMPKINS AND ELIZABETH ST.

Location Pittston

Description: 8" 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		
10" CASING PIPE	24						
ROCK			26		50		
OPEN			5		55		
ROCK			2		57		
8" CASING PIPE	48						

Remarks: _____

IR-4
Machine No.

Driller S. Tracy Lio

Bit No.
15 1/2 - 9 3/8 - 7 3/8
Type and Size Bit

Department Representative
10" DRILLING - 24'
10" CASING - 24'
8" DRILLING - 26'
8" CASING - 48'

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Bore Hole No. 35-C Drilled 3-10 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO
In Alley between River St. & Johnson St. 20' South of West St.
At RIVER ALLEY 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			8		8		
Rock			4		12		
12" casing pipe	12						
Rock			16		28		
BKN Rock			10		38		
OPEN			1		39		
Rock			2		41		
10" casing pipe	37						

Remarks: _____

IB-4
Machine No.

Driller S. Magli

Bit No. _____

Department Representative _____

14 - 12 1/4
Type and Size Bit

12" DRILLING - 12'
12" CASING - 12'
10" DRILLING - 26'
10" CASING - 37'

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Bore Hole No. 36 CP Drilled 1-25 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 292' S. OF GARFIELD ^{OR} JOHNSON ST 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			9		9		
Rock			4		13		
10" CASING PIPE	13						
Rock			35		48		
OPEN			4		52		
BKW. MATERIAL			3		55		
Rock			122		177		
COAL			13		190		
Rock			2		192		

Remarks: 8" CASING PIPE 48'

IR-4
Machine No.

Driller S. Maglio

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

J. KISH

Type and Size Bit

Department Representative

10" D	13'
10" C	13'
8" D	179'
8" C	48'

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Bore Hole No. 37-C Drilled 3-11 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At RIVER ALLEY 30 SOUTH OFF WEST BLVD RIVER & THOMPSON 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			8		8		
Rock			4		12		
12' CASING PIPE	12						
Rock			16		28		
BKN Rock			13		41		
Rock			2		43		

Remarks: _____

I4-4
Machine No.

Driller S. Maglio

Bit No. _____

B DRUCTOR
Department Representative

14-12 1/4
Type and Size Bit

12" DRILLING 17 FT
12' CASING 12 FT
10" DRILLING 31 FT
10 CASING NONE



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Bore Hole No. 38-C Drilled 3/11 19 77

DRILLER'S DAILY REPORT

Drilled by C&S EXCAVATING CO

At 54' IN RIVER ALLEY ^{BLW RIVER 1 JOHNSON} _{OFF WEST} 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>MASH</u>			<u>8</u>		<u>8</u>		
<u>ROCK</u>			<u>4</u>		<u>12</u>		
<u>12" CASING PIPE</u>	<u>12</u>						
<u>ROCK</u>			<u>27</u>		<u>39</u>		
<u>COAL</u>			<u>4</u>		<u>43</u>		
<u>ROCK</u>			<u>2</u>		<u>45</u>		

Remarks: WELL SOLID

IR-4
Machine No.

Driller S. Magli

Bit No.

B Director
Department Representative

14-12 1/4
Type and Size Bit

12" DRILL 12 FT
12" CASE 12 FT
10" DRILL 33 FT
10" CASE NONE ✓

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Bore Hole No. 39-C-Barriek Drilled 3/15 19 77

DRILLER'S DAILY REPORT

Drilled by CYS EXCAVATING CO

At 93' SOUTH 044 WEST IN RIVER ALLEY B/W 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>8</u>		<u>8</u>		
<u>ROCK</u>			<u>4</u>		<u>12</u>		
<u>12" CASING PIPE</u>	<u>12</u>						
<u>ROCK</u>			<u>16</u>		<u>28</u>		
<u>BRN ROCK</u>			<u>15</u>		<u>43</u>		
<u>OPEN</u>			<u>1</u>		<u>44</u>		
<u>ROCK</u>			<u>2</u>		<u>46</u>		
<u>10" CASING PIPE</u>	<u>43</u>						

Remarks: _____

IK-41
Machine No.

Driller S Magli

Bit No. _____

B DRUCTOR

14-12 1/2
Type and Size Bit

Department Representative
12" DRILLING - 12'
12" CASING - 12'
10" DRILLING - 31'
10" CASING - 43' ✓

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Bore Hole No. ~~39~~ 39 C Drilled 6-9 19 77

DRILLER'S DAILY REPORT

Drilled by C & S EXCAVATING CO

At 230 NORTH 4th CLEVELAND ST IN ALLEY W. ELIZABETH + JOHNSON STS Location Pittston

Description: 8" Injection hole to the CHECKER VEIN

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>WASH</u>			<u>5</u>		<u>5</u>		
<u>Rock</u>			<u>4</u>		<u>9</u>		
<u>10" CASING PIPE 9</u>	<u>9</u>						
<u>Rock</u>			<u>29</u>		<u>38</u>		
<u>OPEN</u>			<u>4</u>		<u>42</u>		
<u>8" CASING PIPE 22</u>	<u>22</u>						

Remarks: _____

IP-4
Machine No.

Driller S. Maglieri

Bit No. _____
1 1/2" - 9 7/8"
Type and Size Bit

Department Representative

- 10' DRILLING 9'
- 10' CASING 9'
- 8' DRILLING 29'
- 8' CASING 38'

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BOX 49
DUNMORE, PA. 18512

Bore Hole No. 40 C.P. Drilled 2/9/77 19 77

DRILLER'S DAILY REPORT

Drilled by CVS EXCAVATING CO

205' NORTH
At OF CLEVELAND ON Johnson St Location Pittston

Description: 8" Injection hole to T&E
Pittston Vein

STRATA	Pipe Driven		Drilled		TOTALS		Depth of Vein
	Ft.	In.	Ft.	In.	Ft.	In.	
<u>WASH</u>			<u>3</u>		<u>3</u>		
<u>SHALE</u>			<u>5</u>		<u>8</u>		
<u>Rock</u>			<u>4</u>		<u>12</u>		
<u>10" casing pipe</u>	<u>12</u>						
<u>Rock</u>			<u>32</u>		<u>44</u>		
<u>OPEN</u>			<u>3</u>		<u>47</u>		
<u>BKN. MATERIAL</u>			<u>2</u>		<u>49</u>		
<u>Rock</u>			<u>123</u>		<u>172</u>		
<u>COAL</u>			<u>13</u>		<u>185</u>		
<u>Rock</u>			<u>2</u>		<u>187</u>		

Remarks: _____

8" casing pipe 44

IR-4 Driller S. May Jr

Machine No. _____

Bit No. _____

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

Type and Size Bit

Department Representative

A. KISH

10" D - 12'

10" C - 12'

8" D - 175'

8" C - 44'