

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS' REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5

STREET ON PARSONAGE ST 170' WEST OF Alley Between House # 207-217 EAST
Side OF ROAD 10' OFF CENTER LINE OF PARSONAGE ST

DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 1 DRILLED July 17 1979

DRILLED BY Empire Contracting Co. Surface Elevation 614.51

DEPTH	STRATA	PIPE INSTALLED		DRILLED		TOTAL		VEIN	NAME OF VEIN
		IN	FT	FT	IN	FT	IN	ELEVATION	
	SURFACE CLAY			27	0	27	0		
	HARD ROCK			4	0	31	0		
	HARD ROCK			11	0	42	0		
	COAL			3	0	45	0		CHUCKER VEIN ?
	HARD ROCK			62	0	107	0		
	OPEN			1	0	108	0		PITSTON VEIN ?
	Loose Broken Rock			10	0	118	0		
	HARD ROCK			113	0	231	0		
	COAL			6	0	237	0		MARCY VEIN
	HARD BOTT ROCK			2	0	239	0		
	CASING	8"	31	0					
	CASING	6"	97	0					\$2565.00

REMARKS WATER ELEV-68' FROM SURFACE
PAY 31'-8" DRILLING PAY-208'-6" DRILLING
PAY 31'-8" CASING PAY-97'-6" CASING
MACHINE NO. CP-7000 DRILLER D. PISANO

BIT NO. _____
TYPE & SIZE OF BIT 9 7/8" - 7 7/8" - 6" DEPT. REPRESENTATIVE Richard H. Tully

COMMONW ALTH OF PENN YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5

STREET ON LEONARD 1ST 50' WEST OF SEARLE ST. South side of Road
11' OFF CENTER LINE OF ROAD

DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 3 DRILLED MAY 17 1979

DRILLED BY Empire Contracting Co. Surface Elevation 690.81
685

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN ELEVATION	NAME OF VEIN
		IN	FT	IN	FT	IN	FT	IN			
	SURFACE CLAY				12	0	12	0			
	SOFT ROCK				4	0	16	0			
	HARD ROCK				62	0	78	0			
	OPEN				2	0	80	0			checker vein
	Loose Broken Rock				10	0	90	0			
	HARD ROCK				71	0	161	0			
	OPEN				1	0	162	0			PITTSBURGH VEIN
	HARD ROCK				2	0	164	0			
	Loose Broken Rock				11	0	175	0			
	HARD ROCK				56	0	231	0			
	COAL				10	0	241	0			MARCY VEIN
	HARD BOT. ROCK				2	0	243	0			
	CASING	8"	16	0							
	CASING	6"	151	0							

REMARKS WATER ELEV 168 FROM SURFACE

PAY 16 8" DRILLING PAY 227' 6" DRILLING

PAY 16 8" CASING PAY 151' 6" CASING

MACHINE NO. CP 7000 DRILLER D. PISANO

BIT NO. _____ DEPT. REPRESENTATIVE Alfred H. Turkey

TYPE & SIZE OF BIT 9 7/8" 7 1/2" 6"

COMMONW. ALTH OF PENN YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5

STREET ON - SEARLE ST 64' SOUTH OF DIVISION ST WEST SIDE
OF ROAD 10' OFF CENTER LINE OF ROAD

DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 6 DRILLED MAY 7 1979

DRILLED BY Empire Contracting Co. Surface Elevation 679.87

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN ELEVATION	NAME OF VEIN
		IN	FT	IN	FT	IN	FT	IN			
	SURFACE SAND + CLAY				22	0	22	0			
	SOFT ROCK				4	0	26	0			
	Med Hard Rock				48	0	74	0			
	BROKEN TIGHT COAL + ROCK				6	0	80	0			CHECKED VEIN
	HARD ROCK				51	0	131	0			
	OPEN				3	0	134	0			PITTSBURGH VEIN
	LOOSE BROKEN ROCK				9	0	143	0			
	HARD ROCK				56	0	199	0			
	OPEN				3	0	202	0			MARCY VEIN
	LOOSE BROKEN ROCK				8	0	210	0			
	HARD BOTT ROCK				2	0	212	0			
	CASING	8"	26	0							
	CASING	6"	189	0							\$2,878.00

REMARKS UPDRAFT

PAY 26' 8" DRILLING PAY 186' 6" DRILLING

PAY 26' 8" CASING PAY 189' 6" CASING

MACHINE NO. CP 7000 DRILLER D. PISANO

BIT NO.

TYPE & SIZE OF BIT 9 7/8" 7 3/8" 6" DEPT. REPRESENTATIVE Alfred H. Tindley

COMMONW. ALTH OF PENN YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL 470-101.5

STREET ON LEONARD ST 56' EAST OF PROSPECT ST South side of road
8' FROM CENTER LINE OF ROAD House # 1

DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 7 DRILLED MAY 14 1979

DRILLED BY Empire Contracting Co. Surface Elevation 665.73

LAT. DEP.	STRATA	PIPE DIA. INSTALLED		DRILLED		TOTAL		VEIN	NAME OF	
		IN	FT	IN	FT	IN	FT	IN	ELEVATION	VEIN
	SURFACE CLAY				15	0	15	0		
	SOFT ROCK				4	0	19	0		
	SOFT ROCK				2	0	21	0		
	COAL				11	0	32	0		CHECKER VEIN
	HARD ROCK				139	0	171	0		
	COAL				10	0	181	0		MARCY VEIN
	HARD BOT. ROCK				2	0	183	0		
	CASING	8"	19	0						
	CASING	6"	NO. 6" CASING INSTALLED							

REMARKS SOLID Hole Removed wash CASING AND Filled B.H.
PAY 19' 8" DRILLING PAY 164' 6" DRILLING
PAY 19' 8" CASING NO. 6" CASING INSTALLED

MACHINE NO. CP-7000 DRILLER D. PISANO

BIT NO. _____

TYPE & SIZE OF BIT 9 7/8" 770" 6" DEPT. REPRESENTATIVE Alfred H. Turrentine

COMMONW. ALTH OF PENN YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5
STREET BETWEEN House # 120-122 ON NORTH SIDE OF BROAD ST
DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 11 DRILLED FEB.-9 1979
DRILLED BY Empire Contracting Co. Surface Elevation 631.10

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN ELEVATION	NAME OF VEIN
		IN	FT	IN	FT	IN	FT	IN			
	SURFACE				32	0	32	0			
	Rock				4	0	36	0			
	Rock				22	0	58	0			
	COAL				1	0	59	0			
	Rock				3	0	62	0			
	COAL				4	0	66	0			
<i>1200 Draft</i>	OPEN				9	0	75	0			PITSTON VEIN
	GOB. ROCK				2	0	77	0		550.10	
	BOTT. ROCK				2	0	79	0		552.10	
	STAND. Pipe	8	36	0							
	INJECTION. Pipe	6	60	0							\$1,273.00

REMARKS PAY. 36' 8" DRILLING PAY. 43' 6" DRILLING
PAY. 36' 8" CASING PAY. 60' 6" CASING

MACHINE NO. C.P. 7000 DRILLER D-PISANO
BIT NO. _____
TYPE & SIZE OF BIT 9 7/8" 7 1/4" 6" DEPT. REPRESENTATIVE Alfred H. Turkey

COMMONW. ALTH OF PENN YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5

STREET DN. DIVISION ST. 290' WEST OF PROSPECT ST. ON CENTER LINE OF ROAD
DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 13 DRILLED MAY 10 1979
DRILLED BY Empire Contracting Co. Surface Elevation 635.75 ^{645.55}

LAT. DEP.	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN	NAME OF
	IN	FT	IN	FT	IN	FT	IN	ELEVATION	VEIN	
	STRATA									
				14	0	14	0			
				3	0	17	0			
				13	0	30	0	635.55	Chester	
				4	0	34	0			
				37	0	71	0			
				14	0	85	0	560.55	Pittston	
				15	0	100	0			
				3	0	103	0	542.55	Top Marcy	
				15	0	118	0			
				3	0	121	0	524.55	Bot. Marcy	
				48	0	169	0			
				4	0	173	0			
				14	0	187	0	458.55	Clark	
				2	0	189	0			
				8"	34	0				
				6"	159	0				\$2,617.00

REMARKS WATER ELEV. 141' FROM SURFACE
PAY 34' 8" DRILLING PAY 155' 6" DRILLING
PAY 34' 8" CASING PAY 159' 6" CASING

MACHINE NO. CP 7000 DRILLER D. PISANO
 BIT NO. _____
 TYPE & SIZE OF BIT 9 7/8" 7 7/8" - 6" DEPT. REPRESENTATIVE Alfred H. Terrell

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5
STREET ON PROSPECT ST. 198' NORTH OF SENECA ST. WEST SIDE OF ROAD
House No. 8 10' FROM CENTER LINE OF ROAD
DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 14 DRILLED MAY 21 1979
DRILLED BY Empire Contracting Co. Surface Elevation 658.34

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN ELEVATION	NAME OF VEIN
		IN	FT	IN	FT	IN	FT	IN			
	SURFACE SAND + CLAY				37	0	37	0			
	HARD ROCK				4	0	41	0			
	HARD ROCK				28	0	69	0			
	BROKEN LOOSE ROCK				14	0	83	0			CHECKER VEIN
	HARD ROCK				48	0	131	0			
	COAL				11	0	142	0			PITSTON VEIN
	HARD ROCK				53	0	195	0			
	OPEN				3	0	198	0			MARCY VEIN
	BROKEN LOOSE ROCK				7	0	205	0			
	HARD BOT ROCK				2	0	207	0			
	CASING	8"	41	0							
	CASING	6"	185	0							

REMARKS WATER ELEV 146' FROM SURFACE
PAY 41' 8" DRILLING PAY 166' 6" DRILLING
PAY 41' 8" CASING PAY 185' 6" CASING
MACHINE NO. CP 7000 DRILLER D. PISANO
BIT NO. _____
TYPE & SIZE OF BIT 9 7/8" 7 7/8" 6" DEPT. REPRESENTATIVE Alfred H. Turley

COMMONW. ALTH OF PENN'YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5

STREET ON GIDDINGS ST - 80' SOUTH OF PARSONAGE ST WEST SIDE OF ROAD
9' OFF CENTER LINE OF GIDDINGS ST

DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 16 DRILLED July 6 1979

DRILLED BY Empire Contracting Co. Surface Elevation 604.13

DATE DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN	NAME OF
		IN	FT	IN	FT	IN	FT	IN	ELEVATION	VEIN	
	SURFACE SAND + CLAY				14	0	14	0			
	HARD ROCK				4	0	18	0			
	HARD ROCK				54	0	72	0			
	COAL				12	0	84	0			CHECKER VEIN
	HARD ROCK				88	0	172	0			
	COAL				16	0	188	0			PITTSBORO VEIN
	HARD ROCK				41	0	229	0			
	OPEN				4	0	233	0			MARCY VEIN
	SOFT ROCK				23	0	256	0			
	COAL				4	0	260	0			MARCY VEIN
	HARD ROCK				2	0	262	0			
	CASING	8"	18	0							
	CASING	6"	219	0							\$3328.00

REMARKS WATER ELEV 47' FROM SURFACE

PAY 18' 8" DRILLING PAY 244' 6" DRILLING
PAY 18' 8" CASING PAY 219' 6" CASING

MACHINE NO. CP 7000 DRILLER D. PISANO

BIT NO. _____

TYPE & SIZE OF BIT 9 7/8" 7 7/8" 6" DEPT. REPRESENTATIVE John H. Tindley

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

PROJECT NO. SL 470.101.5

MUNICIPALITY THE CITY OF PITTSBURGH PA.
STREET OR PROSPECT ST 168' NORTH OF SENACA ST WEST SIDE
OF ST. 8' OFF CENTER LINE OF ST.
DESCRIPTION EXPLORATORY BOREHOLE

BOREHOLE NO. 17 DRILLED AUG 3 1979
DRILLED BY EMPIRE CONTRACTING CO Surface Elevation 658.00
657

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN	NAME OF
		IN	FT	IN	FT	IN	FT	IN	ELEVATION	VEIN	
	SURFACE SAND + CLAY				37	0	37	0			
	HARD ROCK				4	0	41	0			
	HARD ROCK				30	0	71	0			
	OPEN				5	0	76	0			CHECKER VEIN
	LOOSE BROKEN ROCK				6	0	82	0			
	HARD ROCK				47	0	129	0			
	OPEN				1	0	130	0			PITTSBURGH VEIN
	LOOSE BROKEN ROCK				10	0	140	0			
	HARD BOT. ROCK				2	0	142	0			
	CASING	8"	41	0							
	CASING	6"	119	0							\$2,118.00

REMARKS UPDRIFT
PAY 41' 8" DRILLING PAY-101' 6" DRILLING
PAY 41' 8" CASING PAY-119'-6" CASING
MACHINE NO. CP-7000 DRILLER D. PISANO
BIT NO. _____
TYPE & SIZE OF BIT 9 7/8" 7 7/8" 6" DEPT. REPRESENTATIVE Alfred H. Turley

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5
STREET ON CHURCH ST 192' NORTH OF STARK ST AT INTERSECTION OF HILL PARK AVE
AND CHURCH ST - CENTER LINE OF HILL PARK AVE
DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 18 DRILLED MAY 23 1979
DRILLED BY Empire Contracting Co. Surface Elevation 637.50
639

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN ELEVATION	NAME OF VEIN
		IN	FT	IN	FT	IN	FT	IN			
	SURFACE SAND				10	0	10	0			
	HARD ROCK				4	0	14	0			
	HARD ROCK				17	0	31	0			
	OPEN				4	0	35	0			CHECKER VEIN
	LOOSE BROKEN ROCK				8	0	43	0			
	HARD ROCK				56	0	99	0			
	OPEN				1	0	100	0			PITSTON VEIN
	LOOSE BROKEN ROCK				9	9	109	0			
	HARD ROCK				47	0	156	0			
	OPEN				5	0	161	0			MARCY VEIN
	LOOSE BROKEN ROCK				5	0	166	0			
	HARD BOT. ROCK				2	0	168	0			
	CASING	8"	14	0							
	CASING	6"	146	0							

REMARKS WATER FLEV 124' FROM SURFACE
PAY 14' OF 8" DRILLING PAY 154' OF 6" DRILLING
PAY 14' OF 8" CASING PAY 146' OF 6" CASING

MACHINE NO. CP 7000 DRILLER D. PISANO

BIT NO. _____

TYPE & SIZE OF BIT 9 3/8" 7 7/8" 6" DEPT. REPRESENTATIVE Edward H. Tucker

COMMONW. ALTH OF PENN YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5
STREET ON CARROL ST 40' EAST OF RADCLIFFE ST SOUTH SIDE OF ROAD
10' OFF CENTER LINE
DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 21 DRILLED July 26 1979
DRILLED BY Empire Contracting Co. Surface Elevation 656.74
655

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN ELEVATION	NAME OF VEIN
		IN	FT	IN	FT	IN	FT	IN			
	SURFACE SAND & CLAY				34	0	34	0			
	HARD ROCK				4	0	38	0			
	HARD ROCK				21	0	59	0			
	Loose BROKEN ROCK				8	0	67	0			CHECKER VEIN
	HARD ROCK				75	0	142	0			
	OPCN				3	0	145	0			PITSTON VEIN
	Loose BROKEN ROCK				7	0	152	0			
	HARD ROCK				27	0	179	0			
	COAL				10	0	189	0			MARCY VEIN
	HARD BATT ROCK				2	0	191	0			
	CASING	8"	38	0							
	CASING	6"	132	0							\$ 2509.00

REMARKS WATER: ELEV. 100' FROM SURFACE
PAY 38' 8" DRILLING PAY 153' 6" DRILLING
PAY 38' 8" CASING PAY 132' 6" CASING
MACHINE NO. CP 7000 DRILLER D. PISANO

BIT NO. _____
TYPE & SIZE OF BIT 9 7/8" 7 7/8" 6" DEPT. REPRESENTATIVE Alfred H. Tinsley

COMMONW. ALTH OF PENN YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5
 STREET ON WEBSTER ST 205' EAST OF WASHINGTON TERRACE NORTH SIDE
OF ROAD HOUSE NO 30.32 - 7' - OFF CENTER LINE OF ROAD
 DESCRIPTION Drilling Exploratory Borehole

BOREHOLE NO. 22 DRILLED MAY 3 1979
 DRILLED BY Empire Contracting Co. Surface Elevation 675.31
683

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN	NAME OF VEIN
		IN	FT	IN	FT	IN	FT	IN	ELEVATION		
	SURFACE SAND + CLAY				38	0	38	0			
	SOFT ROCK				4	0	42	0			
	SOFT ROCK				9	0	51	0			
	COAL				8	0	59	0			CHECKER VEIN
	HARD ROCK				52	0	111	0			
	OPEN				5	0	116	0			
	Loose BRANEN ROCK				9	0	125	0			
	HARD ROCK				40	0	165	0			
	OPEN				10	0	175	0			
	HARD BOTR ROCK				2	0	177	0			
	CASING	8"	42	0							
	CASING	6"	155	0							\$2,589.00

REMARKS UPDRIFT
 PAY 42' 8" DRILLING PAY 135' 6" DRILLING
 PAY 42' 8" CASING PAY 155' 6" CASING
 MACHINE NO. CP 7000 DRILLER D. PISANO
 BIT NO. _____
 TYPE & SIZE OF BIT 9 7/8" 7 7/8" 6" DEPT. REPRESENTATIVE Alfred H. Tinsley

COMMONW. ALTH OF PENN YLVANIA
DEPARTMENT OF
ENVIRONMENTAL RESOURCES
DRILLERS REPORT

MUNICIPALITY The City of Pittston Contract No. SL470-101.5
 STREET House NO 116 ON MILL STREET
 DESCRIPTION Drilling Exploratory Borehole
 BOREHOLE NO. 25 DRILLED MAR. 20 1979
 DRILLED BY Empire Contracting Co. Surface Elevation 640.30
641

LAT. DEP.	STRATA	PIPE DIA.		PIPE INSTALLED		DRILLED		TOTAL		VEIN	NAME OF
		IN	FT	IN	FT	IN	FT	IN	ELEVATION	VEIN	
	SURFACE SAND				8	0	8	0			
	SOFT ROCK				4	0	12	0			
	HARD ROCK				13	0	25	0			
	COAL				11	0	36	0			Checker Vein
	HARD ROCK				54	0	90	0			
	Open				1	0	91	0			PITSTON VEIN
	BROKEN LOOSE ROCK				15	0	106	0			
	HARD ROCK				42	0	148	0			
	Open				5	0	153	0			MARCY VEIN
	BROKEN LOOSE ROCK				5	0	158	0	482.3		
	HARD BOLT ROCK				2	0	160	0			
	CASING	8"	12	0							
	CASING	6"	138	0							\$2068.00

REMARKS UPDRAFT
 PAY 12' 8" DRILLING PAY 148' - 6" DRILLING
 PAY 12' 8" CASING PAY 138' 6" CASING
 MACHINE NO. CP 7000 DRILLER D. PISANO
 BIT NO. _____
 TYPE & SIZE OF BIT 9 7/8" - 7 7/8" - 6" DEPT. REPRESENTATIVE Alfred H. Turley