

APPENDIX E  
TEST BORING LOGS

VISUAL CLASSIFICATION ONLY

Project Brinkerton Overflow

Sheet 1 of 3

Job 72-0124-052

Rig Acker AD II

BORING NO. 2

Driller Gordon Snyder

Location Volume II - Plate 1

Elevation Datum USGS

Surface 1121.9

Water 1086.9

Depth	S A M P L E			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
				Ashes, roadway fill		Boring adv. 6-3/4" tri-cone bit and water.
5				Brown silty clay w/sandstone fragments		
10				Dark gray shale		
15						
20						
25						

CONTRACT ITEMS

Soil \_\_\_\_\_  
Rock \_\_\_\_\_

Inspector Gordon Snyder

L. ROBERT KIMBALL  
Consulting Engineers

Date 8/13/74

FIG. NO. E-1

VISUAL CLASSIFICATION ONLY

Sheet 2 of 3

Project Brinkerton Overflow

Job 72-0124-053

Criker Gordon Snyder

Rig Acker AD II

BORING NO. 2

Location Volume II - Plate I

Elevation Datum USGS

Surface 1121.9

Water 1086.9

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
30				Dark gray shale		
35						<u>Water Depth from Ground</u> 8/14/74 - 35.0' 8/15/74 - 37.0' 8/16/74 - 36.0' 8/20/74 - 36.0' 8/23/74 - 36.0' 8/26/74 - 36.5' 8/28/74 - 36.5' 8/29/74 - 35.5' 9/4/74 - 35.5'
40						
45						
50				Coal		
				Fire clay		

CONTRACT ITEMS  
Soil Rock

Inspector Gordon Snyder

MR. ROBERT KIMBALL  
Consulting Engineers

Date 8/13-14/74

FIG. NO. E-2

VISUAL CLASSIFICATION ONLY

Sheet 3 of 3

Project Brinkerton Overflow

Job 72-0124-053

Driller Gordon Snyder

Rig Acker Ad II

BORING NO. 2

Location Volume II - Plate 1

Elevation Datum USGS

Surface 1121.9

Water 1086.9

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
55				Fire Clay		
60						Bottom 55.0'
65						
70						
75						

NOTE: classification of materials based on visual examination by driller only

CONTRACT ITEMS

Soil Rock

Inspector Gordon Snyder

ROBERT KIMBALL  
Consulting Engineers

Date 8/13-14/74

FIG. NO. E-3

VISUAL CLASSIFICATION ONLY

Sheet 1 of 5

Project Brinkerton Overflow

Job 72-0124-053

**BORING NO.** 3

Driller Gordon Snyder

Rig Acker AD II

Location Volume II - Plate 1

Elevation Datum USGS Surface 1048.6 Water 1039.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
5				Brown sandy clay		Boring adv. w/6-3/4" tri-cone bit and water
10				Gray sandy shale		9/4/74 ▽
15				Gray sandy shale hard		8/30/74 ▽
20				Fairly hard, presumed sandy shale		Lost all overflow water From this point, all descriptions are presumed based on drillers' experience
25						

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Inspector Gordon Snyder

Date 8/5/74

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Consulting Engineers

FIG. NO. E-4

VISUAL CLASSIFICATION ONLY

Project Brinkerton Overflow

Sheet 2 of 5  
 Job 72-0124-053  
 Rig Acker AD II

BORING NO. 3

Driller Gordon Snyder  
 Location Volume II - Plate 1

Elevation Datum USGS Surface 1048.6 Water 1039.6

Depth	S A M P L E			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
30				Medium hard, possibly shale		
40						
45						
50						

CONTRACT ITEMS  
 Soil Rock

Inspector Gordon Snyder

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 Consulting Engineers

Date 8/6/74

FIG. NO. E-5

VISUAL CLASSIFICATION ONLY

Sheet 3 of 5  
 Job 72-0124-053  
 Rig Acker AD II

Project Brinkerton Overflow

BOXING NO. 3

Driller Gordon Snyder

Location Volume II - Plate 1

Elevation Datum USGS Surface 1048.6 Water 1039.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
55				Medium hard		
60				Soft		
65				Very Hard		
70				Soft		
75						

CONTRACT ITEMS  
 Soil Rock

Inspector Gordon Snyder

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 Consulting Engineers

Date 8/7/75

FIG. NO. E-6

VISUAL CLASSIFICATION ONLY

Sheet 4 of 5

Project Brinkerton Overflow

Job 72-0124-053

Driller Gordon Snyder

Rig Acker AD II

**BORING NO. 3**

Location Volume II - Plate 1

Elevation Datum USGS

Surface 1048.6

Water 1039.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
80				Medium soft, possibly dark gray shale		
90						
95						
100						

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Inspector Gordon Snyder

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Date 8/8/75

FIG. NO. E-7



VISUAL CLASSIFICATION ONLY

Sheet 5 of 5  
 Job 72-0124-053  
 Rig Acker AD II

Project Brinkerton Overflow

BORING NO. 3

Driller Gordon Snyder  
 Location Volume II - Plate 1

Elevation Datum USGS Surface 1048.6 Water 1039.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
105				Medium soft, possibly dark gray shale		
110				Soft like coal		
115				Fire clay, on bit when pulled out		
120				NOTE; classification of materials based on visual examination by driller only		bottom 115.0'
125						

CONTRACT ITEMS

Soil Rock Inspector Gordon Snyder

L. ROBERT KIMBALL  
 Consulting Engineers Date 8/9/75

FIG. NO. E-8

VISUAL CLASSIFICATION ONLY

Sheet 1 of 2

Project Brinkerton Overflow

Job 72-0124-053

Driller Gordon Snyder

Rig Acker AD II

BORING NO. 4

Location Volume II - Plate 1

Elevation Datum USGS Surface 1079.7 Water 1044.7

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
5				Spoil fill		Boring adv. w/4.5" dia. C.F.A. then enlarged to 6-3/4" dia. tri-cone bit and water
15				Dark Gray shale		
25						Lost all overflow water

CONTRACT ITEMS

Soil Rock

Inspector Gordon Snyder

By ROBERT KIMBALL

Date 8/20/74

VISUAL CLASSIFICATION ONLY

Sheet 2 of 2

Project Brinkerton Overflow

Job 72-0124-053

Driller Gordon Snyder

Rig Acker AD I<sup>T</sup>

BORING NO. 4

Location Volume II - Plate 1

Elevation Datum USGS Surface 1079.7 Water 1044.7

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
						Lost overflow 25.0'
				Dark Gray shale		Water Depth from Ground
						8/19/74 - 35.0'
						8/23/74 - 35.0'
						8/26/74 - 34.0'
						8/28/74 - 34.5'
30						8/29/74 - 37.0'
						8/30/74 - 35.0'
						9/4/74 - 35.0'
				Coal		
35						
				Fireclay very hard		
40						Bottom 40.0'
				NOTE: classification of material based on visual examination by driller only		
45						
50						

CONTRACT ITEMS  
Soil Rock

Inspector Gordon Snyder

L. ROBERT KIMBALL

Date 8/20/74

FIG NO E-10

VISUAL CLASSIFICATION ONLY

Sheet 1 of 2

Project Brinkerton Overflow

Job 72-0124-053

Driller Gordon Snyder

Rig Acker AD II

BORING NO. 5

Location Volume II - Plate 1

Elevation Datum USGS Surface 1092.1 Water 1059.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
5				Brown silty sandy clay		Boring adv. w/4.5" dia. C.F.A.
				Brown weathered shale		9/4/74 Caved
15						
20						
25						

CONTRACT ITEMS

Soil Rock

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Date 8/15/74

FIG. NO. E-11

VISUAL CLASSIFICATION ONLY

Project Brinkerton Overflow

Sheet 2 of 2

Job 72-0124-053

Rig Acker AD II

SPRING NO. 5

Driller Gordon Snyder

Location Volume II - Plate 1

Elevation Datum USGS

Surface 1092.1

Water 1059.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
30				Dark gray shale possibly no cuttings coming up on augers		
35				Possibly caved area		
40				Bottom of coal		
45				Fireclay  NOTE: classification of material based on visual examination by driller only		Bottom 42.0'  Water level 32.5'
50						

CONTRACT ITEMS

Soil Rock

Inspector Gordon Snyder

Date 8/16/74

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Consulting Engineers

FIG. NO. E-12

VISUAL CLASSIFICATION ONLY

Project Brinkerton Overflow

Sheet 1 of 4

Job 72-0124-053

Rig Acker AD II

BORING NO. 7A

Driller Gordon Snyder

Location Volume II - Plate 1

Elevation Datum USGS

Surface 1022.1

Water 990.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
5				Brown silty, sandy clay w/ stone fragments		Boring adv. w/7-3/8" tri- cone bit and water
10						
15				Dark gray sandy shale		
20						
25						Lost overflow approx. 25.0'

CONTRACT ITEMS

Soil      Rock

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Consulting Engineers

Date 8/1/74

FIG. NO. E-13

VISUAL CLASSIFICATION ONLY

Sheet 2 of 4

Project Brinkerton Overflow

Job 72-0124-053

BOHRING NO. 7A

Driller Gordon Snyder

Rig Acker AD II

Location Volume II - Plate 1

Elevation Datum USGS Surface 1022.1 Water 990.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
30				Gray sandy shale, hard to very hard at times		Water Depth from Ground
						8/2/74 - 31.5'
						8/7/74 - 39.0'
						8/8/74 - 43.5'
						8/9/74 - 31.5'
						8/13/74 - 25.5'
						8/14/74 - 28.0'
						8/16/74 - 33.0'
35						8/20/74 - 39.0'
						8/23/74 - 37.0'
						8/26/74 - 40.0'
						8/28/74 - 36.0'
					8/29/74 - 37.0'	
					9/4/74 - 19.0' "Caved"	
40						
45						
50						

CONTRACT ITEMS  
Soil Rock

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BY ROBERT KIMBALL

Date 8/1/74

FIG. NO. E-14

VISUAL CLASSIFICATION ONLY

Sheet 3 of 4

Project Brinkerton Overflow

Job 72-0124-053

BORING NO. 7A

Driller Gordon Snyder

Rig Acker AD II

Location Volume II - Plate 1

Elevation Datum USGS

Surface 1022.1

Water 990.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
55				Possibly dark gray shale drilling somewhat softer		
65						
70				Drilled soft like coal		
75						

CONTRACT ITEMS

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Date 8/1/74

FIG. NO. E-15



VISUAL CLASSIFICATION ONLY

Sheet 4 of 4

Project: Brinkerton Overflow

Job 72-0124-053

BOHRING NO. 7A

Driller Gordon Snyder

Rig Acker AD II

Location Volume II - Plate 1

Elevation Datum USGS Surface 1022.1

Water 990.6

Depth	SAMPLE			Description	Stratification Log	Special Notes Field Observations
	Type	Rec	Resist.			
80				Fireclay on bit		
						Bottom 80.0'
85						
90						
95				NOTE: classification of material based on visual examination by driller only		
100						

CONTRACT ITEMS  
Soil Rock

Inspector Gordon Snyder

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Date 8/1/74

FIG. NO. E-16