



TEST BORING LOG

5879 FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *Rock core Study*

HOLE NO. *62 mw 8*

LOCATION *STATE College, PA*

SURF. EL.

DATE STARTED

DATE COMPLETED

JOB NO. *13078*

2-5-13

2-7-13

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING *Logging*

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
"OR — % CORE RECOVERY

BEFORE CASING
REMOVED
AFTER CASING
REMOVED

CASING TYPE *3/4 H.S.A. HQ wireline Logging*
2" spoon 4" FJC 4" Royal cap w/ lock

SHEET 1 OF 3

JFL

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5'	0'-1.9'	1		2-2	24	Brown, moist silts	1'
				22-50/4		Olive weathered mud/siltstone	1.9'
10'						<i>2-5-13</i> 3/4 H.S.A. 2'-18' no sampling weathered bedrock	
15'							
20'						Scattered in 19' of 4" FJC at this depth on 2-5-13	18'
	18'-21'	R-1	REL	HQ Core	RQD		
25'				3'	45 MPF	0%	Olive mud/siltstone
	21'-26'	R-2	REL	HQ Core	RQD		
30'				5'	45 MPF	18%	
	26'-31'	R-3	REL	HQ Core	RQD		
35'				4.8'	45 MPF	26%	
	31'-36'	R-4	REL	HQ Core	RQD		
40'				5.2'	44 MPF	17%	
	36'-41'	R-5	REL	HQ Core	RQD		
				5'	4 MPF	40%	

2-5-13



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DATE STARTED *2-5-13*

DATE COMPLETED *2-5-13*

HOLE NO. *62 mw 8*

SURF. EL.

JOB NO. *13078*

GROUND WATER DEPTH
WHILE DRILLING *CONJUG*

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/
"OR — % CORE RECOVERY # HAMMER FALLING

AFTER CASING
REMOVED

Zu Purpos

CASING TYPE

SHEET 2 OF 3

see sheet # 1

DFL

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
45'	41'-46'	R-6	RFL 5'	HQ CORE 4-5 MPF	RQD 46%	Olive mud/SILTSTONE	
50'	46'-51'	R-7	RFL 5'	HQ CORE 4 MPF	RQD 20%		51'
55'	51'-56'	R-8	RFL 5'	HQ CORE 4 MPF	RQD 58%	Grey shale interbedded w/ olive mud/SILTSTONE	56'
60'	56'-61'	R-9	RFL 5'	HQ CORE 4 MPF	RQD 76%	Grey shale	
65'	61'-66'	R-10	RFL 4.8'	HQ CORE 3 1/2-4 MPF	RQD 76%		
70'	66'-71'	R-11	RFL 5.2'	HQ CORE 3 1/2-4 MPF	RQD 58%		
75'	71'-76'	R-14	RFL 4.9'	HQ CORE 3 1/2-4 MPF	RQD 45%		
80'	76'-81'	R-15	RFL 5'	HQ CORE 4 MPF	RQD 90%		

2-6-13 →



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PROJECT *Rock Core Study*
LOCATION *STATE College, PA*
DATE STARTED *2-5-13*

DATE COMPLETED *2-7-13*

HOLE NO. *L2mw 8*

SURF. EL.

JOB NO. *13078*

GROUND WATER DEPTH
WHILE DRILLING *casing*

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/
"OR — % CORE RECOVERY # HAMMER FALLING

AFTER CASING
REMOVED

Joe Kussak

CASING TYPE

SHEET 3 OF 3

see sheet # 1

DFL

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH	
85'	81'-86'	R-16	REF	HQ core	290	Grey shale		
			5'	4 MPF	21%			
90'	86'-91'	R-17	REF	HQ core	290			
			5'	4 MPF	62%			
95'	91'-96'	R-18	REF	HQ core	290			
			5'	4 MPF	94%			
100'	96'-101'	R-19	REF	HQ core	290			
			5'	4 MPF	54%			
105'							Left as open hole Bedrock well	101' B.O.B.

2-7-13

