OWNER: National Park Service

(Otter Creek, Well #1)

DRILLER: Frank W. Martin Drilling Co., Inc.

11

180-190

COUNTY: Amherst (Snowden)

VDMR: 2079 WWCR: 171

TOTAL DEPTH: 245

## GEOLOGIC LOG

Depth in feet			
0-3	Saprolite - tan, weat vein quartz and	hered and iron-oxide-stained; slate, l clay	
3410	Slate or phyllite - gr sheared with sl	ay; cryptocrystalline, fissile, soft; ickensides	
10-20	***		
20-30	11		
30-40	H		
40-50	ш		
50-60	ш		
60-70	11 W	ith vein quartz	
70-80	11		
80-90	H .		
90-100	11		
100-110	11		
110-120	11		
120-130			
130-140	11		
140-150	11		
150-160	ıı w.	ith vein quartz	
160-170	11 11		
170-180	11		
100 100		41	

with vein quartz

OWNER: National Park Service (Otter Creek, Well #1)

0-3<sup>1</sup> 3-245<sup>1</sup> #2079

190-200	Slate or phyllite - gray; cryptocrystalline, fissile, soft; sheared with slickensides; with vein quartz; greenish-gray
200-210	Slate or phyllite - gray; cryptocrystalline, fissile, soft; sheared with slickensides
210-220	11
220-230	No sample
230-245	Slate or phyllite - gray; cryptocrystalline, fissile, soft; sheared with slickensides

## GEOLOGIC SUMMARY

	Rock Unit	Age
	Saprolite	
i	Swift Run Formation	Precambrian (?)

Virginia Division of Mineral Resources Robert G. Willson, Geologist January 11, 1968

## COMMONWEALTH OF VIRGINIA

VDMR: 2079 WWCR: 171 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER B 3667

OFFICE ADDRESS:

McCormick Road

lottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: National Park Service	Mailing Address: <u>Box 1710 - Roanoke, Virginia</u>
TENANT: Blue Ridge Parkway (Otter Creek,	Mailing Address:
DRILLER: Frank W. Martin Drilling Co., Inc.	5163 Starkey Rd. S. W.  Mailing Address: Roanoke, Virginia 24014
	_ Approx 5 miles northeast (direction) of
James River and on	first milks east side (direction) of Blue Ridge Pkwy
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM COUNTY HIGHWAY OR OTHER MAP.)	TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: July 28, 1967	DATE COMPLETED: July 29, 1967
TYPE OF DRILL RIG USED: Davey M8A Air D	rill TOTAL DEPTH 245 feet
WATER LEVEL: Standsfeet below	surface <u>OR</u>
has <u>NATURAL</u> flow of_	gallons per minute.
YIELD TEST: Method Pump	HOLE SIZE: 10 inches from 0 to 10 feet
Drawdown feet	6_inches from 10_to 245_feet
Rate 3 gal. per min.	tofeet
Durationhrs.,min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: from Various tofeet	inches fromtofeet
fromfeet	inches fromtofeet
fromtofeet	CASE SIZE: 6 1/4 inches from 0 to 81411 feet
WATER: ColorTaste	inches fromtofeet
Odor	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method Submersible
Farm Town School	Material Depthfeet
IndustryOther_Park	PUMP: Type
WATER ANALYSIS AVAILABLE: YesNo_X_	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes X No	Depth of intakefeet
(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT	INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS HED FREE OF CHARGE UPON REQUEST.)
ARKS:	
OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	HED FREE OF CHARGE UPON REQUEST.)

FURNISHED BY: Frank W. Martin Drilling Co., Invate: December 4, 1967

DEPTH (feet)		TYPE OF ROCK OR SOIL PENET	REMARKS	
FROM	то	(gravel, clay, etc., hardness, color	, etc.)	(water, caving, shot, screen, sample, etc.
0	245	Shell and limestone	Jacy	ENANT: Blue Ridge Parloway (Offer
	S. W. 24014	5162 Starkey RA.	#1) lac.	Well NLIER Frank W. Martin Drilling
o (nen)	9315	tasadiron in a contract		ELL COCATION Cooks Annhers
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		GIG		ATER LEVEL: Stendar
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1951	51	(p) (1) (p) (p) (p) (p) (p) (p) (p) (p) (p) (p		Eurm Town School
		- UMP - Uyne		IndustryOrtgan
nimo nad	102			TER ANALYSIS AVAILABLE Yes
1991		saintin to Atgett		LL GUTTINGS SAVEO
THIS	HIPPEL TO	TESTICAS NOTE SONANO DE SONA C		HEL CUTTINGS SHOULD BE COLLECTED FIGE EXPRESS COLLECT SAMPLE PAGS
				ARKS

(Use additional forms if necessary)

## INTERVAL SHEET

Page 1 of 1

WWCR: 171 VDMR Well No: 2079

Date rec'd: 1/4/68

Sample Interval: from 0' to: 245'

PROP: National Park Service (Otter Creek, Well #1)

Number of samples: 24

COMP: F. Martin Drilling Co.

Total Depth: 245'

COUNTY: Amherst (Snowden)

Oil or Gas: Water:X Exploratory:

From-To		F	From-To				From-To		
0	_	3		_		_			
3	_	10		_		_		-	
10	_	20		_		_		_	
20	-	30		_		-		_	
30	-	40		_		_		_	
50		10							
40	_	50		_		_			
50	-	60		_		-		=	
60	_	70		_		-		-	
70	-	80		_		-			
80	-	90		-		-			
90	-	100		-		-		-	
100	-	110		-		-		_	
110		120				-		_	
120		130		-		-		- 2	
130	-			-		-			
140	-	150		-		_		-	
150	-			_		-		. =	
160	-			-		-			
170	_	180		-		-		-	
180	_	190		-		-			
190	_	200		-		-		-	
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210	-	220		-		-		-	
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230	-	245		-		-		-	
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