COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES OFFICE ADDRESS:

JAMES L. CALVER, COMMISSIONER P 3667

21.21.39

McCormick Road Charlottesville Virginia

lottesville, VA 22903 WATER WELL CO	
United States Government	Mailing Address:
A P Hill - Well #1	Mailing Address:
DRILLER: Douglas & Dickinson, Inc.	Mailing Address: Box 498 - Warsaw, VA
	Approxfeet(direction) of
north of Bowling Green and	feet(direction) of
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM T COUNTY HIGHWAY OR OTHER MAP.)	
DATE STARTED:	DATE COMPLETED: August 4, 1969
WATER LEVEL: Stands 118 feet below	
	gallons per minute.
YIELD TEST: Method	HOLE SIZE: 8 inches from 0 to 480 feet
Drawdown144feet	
Rate55 gal. per min.	inches fromtofeet
Durationhrs.,min.	SCREEN SIZE: 3 inches from 488 to 498 feet
WATER ZONES: from 488 to 498 feet	inches fromtofeet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 6 inches from 0 to 480 feet
WATER: ColorTaste	inches from 446 488 feet
Odor°F	3_inches from 498_to_500_feet
WELL TO SUPPLY: (check one) Home	GROUTING: Method
Farm Town School	Material Depth feet
IndustryOther_Army Camp	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes_50 No	Depth of intakefeet
(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	NTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS
F ARKS:	

VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1	of 1		Well Repository No: 3054
Date rec'd:	3/24/70 : processed	1/13/71	Sample Interval; from 0 to; 525'
DDODEDEX	C		27 1 6 51

PROPERTY: Camp A. P. Hill #1 Number of samples: 51

COMPANY: Douglas & Dickinson Total Depth: 525'

COUNTY: Caroline (Bowling Green) Oil or Gas: Water Exploratory:

1								
	Fro	m-7	Го	From	m-T	0	From-To	From-To
	0		1.0	0/0		0.70		
	0	-	10	262	-	273	·-	-
	10	-	21	273	-	283		-
	21	_	31	283	-	294	.	=
	31	_	42	294	-	304	₹ <u>—</u>	=
	42	-	52	304	-	315	:= :	_
			4 000					
	52	-	63	315	-	325	2	
	63	_	73	325	12	336	æ	=
	73	-	84	336	_	346	-	_
	84	_	94	346	-	357	-	-
	94	=	105	357	_	367		≅
	105		115	367	_	378	=	= :
	115	_	126	378	_	388	0 4 0	_
	126	_	136	388	_	399	-	_
	136	_	147	399	-	409	<u>~</u>	=
	147	_	157	409	_	420	5 4	_
	157	-	168	420	. 	430	-	-
	168	_	178	430	_	441	=	=
	178		189	441	_	451	-	_
	189	_	199	451	_	462	_	_
	199	_	210	462	_	472		-
	210	_	220	472	244	483	-	<u> </u>
	220	_	231	483	_	493	_	
	231	_	241	493	_	504	_	_
	241	_	252	504		514	_	1-27
	252		262	514		525	-	=======================================
		75		350 CT	氣	TEST NEW		

	Driller: County:	Douglas & Dickinson Caroline	C# 87 Total Depth 525' Quad:					
	Depth (feet)	WELL LOG						
	0-10	Sand - dark yellowish orange (10YR 5/6); me sand clasts; clay coated sand; medium to angular; some very coarse; moderate sorting	coarse, sub-					
	10-21	Sand - grayish orange (10YR 6/4); as above, except: medium to very coarse; rose quartz; feldspar; glauconite and phosphatic fragments; plant debris.						
	21-31	Sand - as above, except: abundant clay; a clasts of pale red (5R 6/2); buff, white a to granule; 10% large granules.	TI,					
	31-42	Sand - as above, except: no pale red clay	7.					
4	42-52	Clayey gravel - light olive gray (5Y 6/1) orange (10YR 6/4); as above, except: fine some granules; garnet.						
	52-63	Clay - light olive gray (5Y 6/1); abundant sand, very fine to medium; some coarse; well sorted; quartz.						
	63-73	Clay - as above.						
	73-84	Clay - light olive gray (5Y 7/1); abundant clasts; kaolinite; sparse sand; medium to sorting; quartz.	- Company Comp					
	84-94	Clay - as above.						
	94-105	Sand - clay - light olive gray (5Y 5/2); abundant clay in clasts; sand, fine to med	and the state of t					
	105-115	Sand - clay - as above, except: fine to sorting.	coarse; moderate					
	115-126	Clay - as above, except: light olive gray sand in clay clasts.	y (5Y 6/1); abundant					
	126-136	Clay - as above, except: (5Y 5/2) wood;	one fragments.					
	136-147	Clayey-sand - moderate olive gray (5Y 5/1 except: abundant granular clay; fine to granular; moderate sorting; 15% glauconit fragments; mica.	very coarse; some					

W# 3054

Owner: Camp A. P. Hill #1

Owner:	Camp A. P. Hill #1 -2- W# 3054
Depth (feet)	
147-157	Clayey-sand - as above, except: shell fragments.
157-168	Sandy-clay - as above, except: 1% mica.
168-178	Sandy-clay - as above, except: 1% shell fragments.
178-189	Sandy-clay - olive gray (5Y 4/1); as above, except: sparse shell fragments.
189-199	Sandy-clay - as above, except: 2% shell fragments - Trachy - Cardium Muricatum.
199-210	Clay - as above, except: sparse shell fragments.
210-220	Clay - as above, except: 2% shell fragments.
220-230	Clay - as above, except: medium olive gray (5Y 4/2); some clasts showing bands of light gray; sparse shell bits; Turritella; plant debris; iron oxide.
230-240	Clay - as at 210-220.
240-252	Clay - as above.
252-262	Clay - as above, except: light olive gray (5Y 5/1); 6% shell fragments; wood.
262-273	Clay - as above.
273-283	Clay - as above, except: light olive gray (5Y 5/2); yellow and gray clasts; 2% shell fragments.
283-294	Clay - as above.
294-304	Clay - as above, except: sparse shell fragments.
304-315	Clay - as above, except: pebble.
315-325	Sand - light olive gray (5Y 6/1); fine to granule; sub- angular; some angular in granule size; poor sorting; quartz; iron oxide?
325-336	Clay - pale yellowish brown (10YR 6/2) - abundant clay clasts; moderate sand as above.
336-346	Sand - as above, except: moderate clay, some in sand clasts; sand, fine to very coarse; some granular; quartz;

shell fragments.

Owner:	Camp A. P. Hill #1 -3- W# 3054
Depth (feet)	
346-357	Sand - as above, except: feldspar.
357-367	Sand - as above, except: coarse to granular.
367-378	Clay - as at 325-336.
378-388	Clay - as above, except: very pale yellow brown (10YR 7/2).
388-399	Clay - as above.
399-409	Clay - as above.
409-420	Clay - as above, except: (10YR 6/2).
420-430	Clay - as above.
430-441	Clay - as above, except: (10YR 7/2); some white, buff, tan coloration to clays.
441-451	Sand - pale yellowish brown (10YR 6/2); sparse clay in sand clasts; coarse, sub-angular; well sorted; quartz.
451 - 46 2	Sand - grayish yellow (5Y 7/2); abundant white and buff clays in sand clasts; fine to granule; sub-angular; poorly sorted; quartz.
462-472	Sand - pale yellowish brown (10YR 6/4); clay coated sand as above (large granules).
472-483	Sand - as above.
483-493	Sand - as above, except: medium to large granules.
493-504	Clayey-sand - as above, except: striated clay clast - white, tan, gray, buff; very fine to granule; poorly sorted; quartz.
504-514	Clayey sand - pale yellowish brown (10YR 7/2); abundant clay; medium to very coarse sand - as above.

Clayey sand - as above, except: (10YR 6/2); clay in clasts;

very fine to coarse; some very coarse; sand; glauconite grains.

514-525

Logged by: J. K. Polzin

July 2, 1980

OWNER: Camp A. P. Hill #1

DRILLER: Douglas & Dickinson, Inc.

COUNTY: Caroline (Bowling Green)

VDMR # 3054

WWCR # 87

TOTAL DEPTH: 525'

GEOLOGIC SUMMARY

Depth (feet)	Rock Unit	Age
0-42	Columbia Group	Pleistocene
42-132 *	Calvert Formation	Middle Miocene
132-315 **	Nanjemoy and Mattoponi Formations	Middle Eocene - Paleocene
315-525	Mattaponi (?) and Patuxent Formations	Paleocene - Early Cretaceous

- * P₂O₅ accumulation at very base of Calvert; immediately underlain by glauconitic sand.
- ** Nanjemoy Mattaponi contact not determinable; basal (Marlboro) clay of Nanjemoy not represented in this set of samples.

Virginia Division of Mineral Resources Robert H. Teifke - Geologist January 18, 1971