COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER Br 3667 C. lottesville, VA 22903 WATER WELL

COMPLETION REPORT

OFFICE ADDRESS: McCormick Road Charlottesville, Virginia

OWNERVirginia Dept. of Highways	Mailing Address: Richmond, Virginia		
TENANT:	Mailing Address:		
DRILLER: C. E. Gentry	Mailing Address. Rt 1, Box 259, Louisa, Va.		
WELL LOCATION: County Albemarle	Approx. 16 feet West (direction) of		
Charlottesville on Rt. 250 and 300	feet off 250 (direction) of Rt. 684		
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TY COUNTY HIGHWAY OR OTHER MAP.)	WO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON		
DATE STARTED: December 17, 1970	DATE COMPLETED December 26, 1970		
TYPE OF DRILL RIG USED: Air Rotary	TOTAL DEPTH26feet		
WATER LEVEL: Stands 46 feet below	surface <u>OR</u>		
has <u>NATURAL</u> flow of	gallons per minute.		
YIELD TEST: MethodAir	HOLE SIZE: 10 inches from 0 to 50 feet		
Drawdown 186 feet	8 inches from 50 to 67 feet		
Rate 10 gal. per min.	6_inches from 67to 226feet		
Duration 2 hrs., 30 min.	SCREEN SIZE:inches fromtofeet		
WATER ZONES: fromtofeet	inches fromtofeet		
fromfeet	inches fromtofeet		
fromtofeet	Standard CASE SIZE: 6 inches from 0 to 67 feet		
WATER: Color Clear Toste Good	inches fromtofeet		
OdorNoneTemp°F	inches fromtofeet		
WELL TO SUPPLY: (check one) Home	GROUTING: Method Pumping		
FarmTownSchool	Material <u>Cement</u> Depth <u>5.0</u> feet		
IndustryOtherX	PUMP: Type		
WATER ANALYSIS AVAILABLE:YesNox_	Capacitygal per min		
DRILL CUTTINGS SAVED: Yes 23 No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE			
R ARKS:			

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

INTERVAL SHEET

Page 1 of 1 Well Repository No.: W-3048

Date rec'd: 12/29/70Date Processed: 12/31/70 Sample Interval: from 0 to: 226

PROPERTY: Va. Dept. of Highways Number of samples: 23

COMPANY: C. E. Gentry Total Depth: 226'

COUNTY: Albemarle (Yancey Mills) Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0.710		_	-	-
0 - 10 10 - 20	_	_		-
20 - 30	_	_	_	_
30 - 40		<u>-</u>	_	_
40 - 50	_	_	_	_
10 00				
50 - 60	_	_	_	_
60 - 70		_	_	_
70 - 80	- * <u>-</u>	_	_	_
80 - 90	· _	_	_	_
90 - 100	_	_	=	_
) 30 100				
100 - 110	_	-1	1 <u>-</u>	-
110 - 120	-		_	_
120 - 130	_	_	_	_
130 -140	-	-	_	_
140 -150	_	_	_	-
150 - 160	_	_	_	_
160 - 170	-	_	-	-
170 - 180	9 _	-	-	_
180 -190	-	-	-	-
190 - 200	_	_	-	-
200 -210		-	-	_
210 - 220	-	<u> </u>	_	-
220 - 226	-	-	-	-
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Unwashed only, not enough to split

OWNER: Va. Dept. of Highways W - 3048
DRILLER: C. E. Gentry C - 1472
COUNTY: Albemarle (Yancey Mills) T.D. - 226'

Geologic Log

Depth (feet) 0 - 10	7 light house goods goil with absorbs (2 cm)
0 - 10	A light brown, sandy soil with chunks (2 cm) of red clay saprolite. Consists of quartz, feldspar
	biotite, and muscovite. Granitic soil with kaolinite.
10 - 20	" , however soil is finer and kaolinite increases.
20 - 30	în .
30 - 40	Amount of Kaolinite & feldspar has increased, soil consists of fime rock fragments. First large cutting is granitic, with a gneissic fabric.
40 - 50	ш
50 - 60	" Average granitic rock fragment measures .5 cm
60 - 70	Large rock fragments consisting of quartz, blue quartz, plagioclase, biotite, and orthoclase. Minerals interlock in a granitic texture, and are zoned as in a gneiss.
70 - 80	Granitic, layered gneiss. Probably a paragneiss.
80 - 90	More layered, and schist-like.
90 - 100	" cleavage very noticable.
100 - 110	Fragments of biotite-muscovite schist, biotite-chlorite-muscovite schists, quartz and granitic gneiss. A more mafic interval.
110 - 120	Leucocratic & mafic fragments indicating a broad banded granitic gneiss. Cleavage well developed on mafic fragments.
120 - 130	Granitic paragneiss
130 - 140	п
140 - 150	" , some chloritization or epidotization
150 - 160	п
160 - 170	" Granitic gneiss, no epidote

170 - 223

Geologic Summary

Rock Unit

Age

Granitic paragneiss (current field term is "Meta-grits," obsolite name is "Marshall Formation")

Precambrian

These cuttings though less sheared and more leucocratic than samples from W-1559 and W-1558. Cleavage (or "shearing") increases with mafic (chlorite and/or biotite) content. Based upon outcrop and handspecimen analyses this unit is believed to be a multi-metamorphosed sediment.

VA. DIVISION OF MINERAL RESOURCES

John L. Sullivan 9/9/75