COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS: McCormick Road

B 3667 C. rlottesville, VA 22903 WATER WELL COMPLETION REPORT Charlottesville, Virginia OWNER: USA Corps of Eng. - Kerr Project Mailing Address: Boydton, Va. TENANT: Administration area, loc. #1 Mailing Address: _____ DRILLER: Rankin Williamson Mailing Address: Buffalo Junction, Va. WELL LOCATION: County Mecklenburg Approx. 1/2 Xiesk north ___(direction) of xfexex east (direction) of Phillis XMEXIX _____and_1 1/2 John H. Kerr Dam (GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.) DATE STARTED: 11/5/68 DATE COMPLETED: 11/8/68 TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH_ 300 _feet WATER LEVEL: Stands_____feet below surface OR Grande, soft has NATURAL flow of_____gallons per minute. YIELD TEST: Method air lift HOLE SIZE: 9 inches from 0 to21 1/2 feet inches from $\frac{21}{1/2}$ $\frac{1}{2}$ $\frac{300}{100}$ feet Drawdown _____ feet Rate $\frac{11/2}{}$ gal. per min. ____inches from _____to ____feet Duration 1 hrs. 0 min. SCREEN SIZE:_____inches from _____to ____feet WATER ZONES: from 30 to 31 feet ____inches from ____to ___feet from 150 to 151 feet ____inches from ____to___ CASE SIZE: 6 1/4 inches from 0 to 21 1/2 feet from _____feet WATER: Color_clear_____Toste_____ ____inches from____to____feet Odor none Temp. ______ °F ___inches from ____to___feet GROUTING: Method _____ WELL TO SUPPLY: (check one) Home _ Material cement Depth feet Farm _____ Town ____ School _ Industry____Other_Govit. Bldgs. PUMP: Туре _____ Capacity_____gal. per min WATER ANALYSIS AVAILABLE: Yes _____No_X Yes_30_No___ Depth of intake ___ DRILL CUTTINGS SAVED: (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT, SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.) ARKS: * 1/2 gpm @ 801 " @ 1201 1 1/2 gpm @ 300'

AINTERNATION LOGITARWOOM MOO

TO THE PRESENCE OF THE PROPERTY OF THE PROPERTY

(feet)		TYPE OF ROCK OR SOIL PENETS (gravel, clay, etc., hardness, color,		REMARKS (water, caving, shot, screen, sample, etc.)	
ROM	ТО	. SV . posbyon	it Eng Merry Project	snor, screen, sumpre, erc.)	
0	2	Loose brown dirt: ** Medica Administration area, loc. #1 .901 , sers noissus mimbA TMAN		FNANT Administra	
2	sV	Red clay		RILLER: <u>Bendan W</u> i	
c (ngita		Apprex 1/2 miles north			
7	9	Brown sandy dirt			
90 - 0	73 11 83VI8	Red clay OH - 21 MOT 33M 383338 OW	TANCE IN FEET OR MILES FROM THER MAP.)		
11	16	Sand LL 03T3J9M00 3TA0	11/5/68		
16	18	Sandstone	USED air retary		
18	300	Granite, soft	Slonds leel below		
	0 217	HOLE SIZE 9 monds from			
		15 ment senson d			
			isatnw		
			1 1/2 gat por min.		
5-5-1	01		n 1	Duretio	
201-	01		30 % 31 [ee]	ATER ZONES from	
sal,		mont (shon)	150 10 151 (ee)		
/2_118	0 10,21	CASE SIZE 6 1/4 mines from	1001		
10:01	01	unchos bron I	91a oT	ATER: Color clear	
931			Tump	SEON_vob0	
		GROUTING Messed	check one) Name		
951		yen themso thems	Lown School		
		PUMP: Type	Other Gov ¹ t. Adgs.	vitaubni	
num xeq	1072		VALLABLE Yes NS_X_		
3 3 1			AVED Yes_3D_vo		
BIRT			toga of Lected Mt 10 EDD)		
			10.8 0 m	DARKS * 1/2 gp	
			10.1201	P N	
			pm @ 300¹	11/2 g	

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

INTERVAL SHEET

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Page 1 of 1 Well Repository No: W-2448

Date rec'd: 2/4/69 Sample Interval: from 10 to: 300'

PROPERTY: USA Corps of Eng. - Kerr Project Number of samples: 30

(Administration Area - loc. #1)

COMPANY: Rankin Williamson Total Depth: 300'

COUNTY: Mecklenburg (Phillis) Oil or Gas: Water:XExploratory:

From-To	From-To	From-To	From-To
-	250 - 251	(a	
10 - 11	260 - 261	-	<u>120</u> ₁
20 - 21	270 - 271	<u>#</u>	100 mm 150 mm 15
30 - 31	280 - 281	-	: = //
40 - 41	290 - 291	-	(least)
50 _ 51	299 - 300	[=
60 - 61	-	=	8 <u>=</u> 5
70 _ 71	-	:	5 ,= 3
80 - 81	-	≅	t = :
90 - 91	-	<u> </u>	1 (100)
20.200			
100 _ 101	-	-	₩ 0
110 _ 111	-	·	=
120 _ 121	-	i. 	-
130 - 131	₩ =		=
140 - 141	120	::	-
150 151			
150 - 151		1 	-
160 - 161	75	i=:	=
170 - 171	-	\ -	-
180 - 181 190 - 191	-	, - ;	-
190 - 191	-	. 	
200 - 201	_	1/ <u>11</u> 1	<u>=</u> ;
210 - 211	_	·-	
220 - 221	-		_
230 - 231	쓭	-	-
240 - 241	-	-	_

All intervals have both washed and unwashed samples.

OWNER: USA Corps of Eng. - Kerr Project

(Administration Area - loc. #1)

DRILLER: Rankin Williamson COUNTY: Mecklenburg (Phillis)

C- 76 TOTAL DEPTH- 300^t

W-2448

GEOLOGIC LOG

Depth in feet		
0-10	No sample	
10-11	Granite — brown; weathered and iron-oxide stained, medium grained; feldspar and quartz, with trace of mica	
20-21	Granite — light, slightly pinkish-tan; very slightly iron- oxide stained, medium grained, non-foliated; feldspar and quartz, with very minor amounts of muscovite and biotite	
30-31	III.	
40-41	п	
50-51	tt.	
60-61	п	
70-71	Granite — pink; very slightly iron-oxide stained, medium to coarse grained, non-foliated; feldspar and quartz, with very minor amounts of biotite and muscovite	
80-81	ii .	
90-91	Biotite granite — gray; very slightly iron-oxide stained, medium grained, non-foliated; feldspar and quartz, with minor amount of biotite	
100-101	" no iron-oxide stains	
110-111	ш	
120-121	" slightly pinkish	
130-131	Biotite granite — light pink to tannish pink; very slightly iron-oxide stained, medium to coarse grained, non-foliated; feldspar and quartz, with minor amount of biotite and trace of muscovite	

OWNER:		ng Kerr Project W-2448 Area - loc. #1)
140-141	iro	nite — light pink to tannish pink; very slightly n-oxide stained, medium to coarse grained, -foliated; feldspar and quartz, with minor amount piotite and trace of muscovite
150-151	II	no iron-oxide stains
160-161	ш	pinkish-gray; more biotite, less pink feldspar
170-171	HE	
180-181	11	no iron-oxide stains
190-191	111	
200-201	11	
210-211	111	
220-221	in	no iron-oxide stains
230-231	т	III.
240-241	m	
250-251	III	no iron-oxide stains
260-261	m	at .
270-271		nite — light gray; fine to medium grained, -foliated; feldspar, quartz, and biotite
280-281	II	
290-291	115	light pinkish-gray
299-300	ĪĪ	pinkish-tan; iron-oxide stained

OWNER: USA Corps of Eng. — Kerr Project (Administration Area - loc. #1)

W-2448

GEOLOGIC SUMMARY

	Rock Unit	Age
0-101	No sample	
10-300 ^t	Red Oak Granite	Precambrian (?)

Virginia Division of Mineral Resources Robert G. Willson, Geologist February 10, 1969