INTERVAL SHEET

WWCR 165

Pag e	VDMR Well No.: Well No. 996			
Date5/4/64	Sample Interval: from 0 to 240			
PROP: Va. Dept. of Highways	Total depth	240		
COMP: (Rt. 95 Rest Area) Moseley & Nash	OilGas	Water <u>X</u> Exploratory_		
COUNTY: Henrico (Glen Allen)	Cuttings	X Core Other		
VDMR WELL NO: W-996	Washed samples only			
From-To From-To	From-To	From-To	From-To	
	0-10	4	>=).	
= =	10-20	-	-	
= =	20-30	<u>~</u>	_	
	30-40	-		
-	40-50	=	-	
	50 (0			
	50-60	-	-	
	60-70	-		
	70-80	_		
	80-90 90-100	-	_	
_	100-110	_	_	
_		_	_	
_	110-120	-	_	
	120 ⁻ 130 130 ⁻ 140	-	1-1	
	140-150	=	-	
=	150-160	+	-	
	160 170	-	_	
-	170-180	-	_	
=	180-190	8	-	
-	190-200	-	-	
_	200-210	_	_	
-	200-210		_	
	210 220 220 230	_		
-	230-240	-	_	
	230 240	-	-	
-	-	-	-,	
-	· —	-	-	
J	-	-	1	
-	_	-	-	
F 9	_	-	-	

OWNER: Va. Dept. of Highways DRILLER: Moseley and Nash

COUNTY: Henrico

VDMR #996 WWCR#165 TOTAL DEPTH: 240'

GEOLOGIC LOG

0-10	Overburden- yellow to light brown sand, medium to coarse grained, subangular to subrounded, subarkosic, highly argillaceous.			
10-20	Overburden - white to gray sand, medium to very coarse grained, angular to subangular, arkosic, with a small amount of muscovite and heavy minerals.			
20-30	As above			
Petersburg granodiorite				
30-40	Granodiorite- grayish green, coarse grained, contains quartz, feldspar and chloritized biotite, with minor sulfides.			
40-50	As above			
50-60	As above			
60-70	Granodiorite- pinkish white, coarse grained, containing quartz, feldspar, chloritized biotite, and kaolin.			
70-80	Granodiorite- gray, white, and pink, medium grained, containing quartz, feldspar, chloritized biotite, and kaolin.			
80-90	As above with increase in chlorite.			
90-100	As above with increase in biotite.			
100-110	As above			
110-120	Granodiorite- gray to white, medium grained, contains quartz, feldspar, biotite, and minor amounts of muscovite.			
120-130	Granodiorite- pink, white, and gray, coarse grained, contains quartz, pink potassic feldspar, white plagioclase, kaolin, biotite and moderate amounts of muscovite.			

OWNER: Va. Dept. of Highways (Continued) #996 130-140 Granodiorite- gray, medium grained, contains quartz, plagioclase, some pink potassic feldspar, biotite, with minor muscovite, sulfides, sphere, and magnetite. 140-150 Granodiorite- pink to gray, medium to fine grained, quartz, pink potassic feldspar, white plagioclase, biotite, minor muscovite, chlorite, kaolin, and magnetite. 150-160 Granodiorite- pink to gray, fine to coarse grained, quartz, pink and white feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 160-170 As above 170-180 As above 190-200 Granodiorite- pink to green, coarse grained, quartz, feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 200-210 As above 210-220 As above 220-230 Granodiorite- white to gray, medium graimd, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-30¹ Residium 30-230¹ Residium Petersburg granodiorite Recent Paleozoic (?)							
plagioclase, some pink potassic feldspar, biotite, with minor muscovite, sulfides, sphere, and magnetite. 140-150 Granodiorite- pink to gray, medium to fine grained, quartz, pink potassic feldspar, white plagioclase, biotite, minor muscovite, chlorite, kaolin, and magnetite. 150-160 Granodiorite- pink to gray, fine to coarse grained, quartz, pink and white feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 160-170 As above As above Granodiorite- pink to green, coarse grained, quartz, feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 200-210 As above As above 210-220 As above Granodiorite- white to gray, medium graimed, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-30¹ Residium	OWNER:	Va. Dept. of Highways	(Continued)	#996			
quartz, pink potassic feldspar, white plagioclase, biotite, minor muscovite, chlorite, kaolin, and magnetite. 150-160 Granodiorite- pink to gray, fine to coarse grained, quartz, pink and white feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 160-170 As above 170-180 As above, biotite becoming more chloritized. 180-190 As above 190-200 Granodiorite- pink to green, coarse grained, quartz, feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 200-210 As above 210-220 As above 220-230 Granodiorite- white to gray, medium graimed, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE	130-140	plagioclase, s	plagioclase, some pink potassic feldspar, biotite, with				
pink and white feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 160-170 As above 170-180 As above, biotite becoming more chloritized. 180-190 As above 190-200 Granodiorite- pink to green, coarse grained, quartz, feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 200-210 As above 210-220 As above 220-230 Granodiorite- white to gray, medium graimed, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-30' Residium	140-150	quartz, pink p	quartz, pink potassic feldspar, white plagioclase, biotite,				
As above, biotite becoming more chloritized. 180-190 As above 190-200 Granodiorite- pink to green, coarse grained, quartz, feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 200-210 As above 210-220 As above 220-230 Granodiorite- white to gray, medium graimed, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-301 Residium	150-160	pink and white	pink and white feldspar, biotite, traces of garnet, pyrite,				
180-190 As above 190-200 Granodiorite- pink to green, coarse grained, quartz, feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 200-210 As above 210-220 As above 220-230 Granodiorite- white to gray, medium graimed, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-301 Residium	160-170	As above					
Granodiorite- pink to green, coarse grained, quartz, feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. As above As above Granodiorite- white to gray, medium graimed, quartz, white feldspar, biotite, traces of sulfides and kaolin. As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-301 Residium	170-180	As above, biot	As above, biotite becoming more chloritized.				
feldspar, biotite, traces of garnet, pyrite, chalcopyrite and magnetite. 200-210 As above 210-220 As above 220-230 Granodiorite- white to gray, medium graimed,, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-301 Residium	180-190	As above	As above				
210-220 As above 220-230 Granodiorite- white to gray, medium graimed, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-30' Residium	190-200	feldspar, bioti	feldspar, biotite, traces of garnet, pyrite, chalcopyrite				
220-230 Granodiorite- white to gray, medium graimed, quartz, white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-30' Residium	200-210	As above					
white feldspar, biotite, traces of sulfides and kaolin. 230-240 As above GEOLOGIC SUMMARY ROCK UNIT AGE 0-30' Residium	210-220	As above	As above				
GEOLOGIC SUMMARY ROCK UNIT AGE 0-30' Residium	220-230						
ROCK UNIT AGE 0-30' Residium	230-240	As above					
0-30' Residium	GEOLOGIC SUMMARY						
		ROCK UNIT	r	AGE			
	0-301	Residium					
			anodiorite	Recent Paleozoic (?)			

Virginia Division of Mineral Resources Villard S. Griffin, Jr., Geologist June 22, 1964