# INTERVAL SHEET

WWCR 52

Page	1	,	VDMR Wel	No.: Well No: 12	296
Date	4/9/65	,	Sample In	nterval: from 0	to_ <u>85</u>
PROP:	U.S.A. Corps of		Total de	oth85	
COMP:	(Buffalo Sp. Ways Hickory Well Supp		OilGasWater_X_Exploratory		
COUNTY:	Mecklenburg (Buf	falo Sp.)	Cuttings_	X CoreOt	ther
VDMR W	Vell No: W-1296		Washed	samples	
From-To	From-To		om-To	From-To	From-To
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_	_		- 15	_	_
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OWNER: U.S. Army Corps of Engineers

(Buffalo Springs Wayside Picnic Area)

DRILLER: Hickory Well Supply Co., Inc. COUNTY: Mecklenburg (Buffalo Springs)

VDMR #1296 WWCR #52 TOTAL DEPTH:

## GEOLOGIC LOG

#### Hornblende Gneiss (0-65')

- 0-5 Gneiss (Weathered) — very-pale-brown and black; very-coarsegrained; oligoclase-andesine, albite, quartz, biotite, potash feldspar, sericite, clays, minor magnetite.
- 5-15 Hornblende Gneiss - light-gray medium- to very-fine-grained with minor amount coarse material; potash feldspar, hornblende, plagioclase, biotite; minor quartz.
- 15-25 Hornblende Gneiss - light- to dark-gray, fine-grained; andesine, hornblende (grass-green to yellow-green), biotite, potash feldspar, minor quartz.
- 25-35 Hornblende Gneiss - light-gray and cream; light-gray; finegrained, hornblende, calcic-andesine, potash-feldspar, epidote, minor quartz, sericite, trace pyroxene; cream colored: verycoarse- to fine-grained; perthitic microcline (to 12 mm) oligoclase, quartz, biotite, minor epidote.
- 35-45 As above.
- 45-55 As above - minor dark-gray portions (rich in hornblende).
- 55-65 As above - trace pyrite.
- 58 As above - part of coarse-grained material contains muscovite.

### Redoak Granite (65-85')

- 65 75Quartz Monzonite - white with black, very-coarse-grained (1-20 mm); microcline, oligoclase, biotite, hornblende, quartz, magnetite; minor epidote; trace pyrite, apatite and sphene; minor fine-grained material as in above levels.
- 75-80 As above.
- 80-85 As above.

	GEOLOGIC SUMMARY				
	ROCK UNIT	TIME ROCK UNIT			
0-65	Hornblende Gneiss	Precambrian ?			
65-85	Redoak Granite	Precambrian?			
		Virginia Division of Mineral Resources			
		Hollis N. Walker, Geologist, April 23, 1965			