

ROCK AND MINERAL REPOSITORY

County: Grayson

VDMR Sample No: R-1871

General Name: Gneiss

Formation or Unit: Lynchburg

Age: Lower
Pre-Cambrian

Location: Baywood (town)

Collector: Claude Brewer (driller) (Grayson 83)

Date Collected: 7/12/60

Megascope Description

Name: biotite-muscovite gneiss

Hand Specimen:

Loose Material: drill cuttings

Color: fresh - black-dark gray
weathered -

Distinguishing features: biotite-muscovite gneiss

Mineral constituents

Estimated
Percentage

Size

Color

cuttings too small for megascopic description

Geologic description:

ROCK AND MINERAL REPOSITORY CONTD.

Microscopic Description under binocular microscope

Name: gneiss

Thin section:

Fragment immersion:

Polished section:

Distinguishing features (incl. fabric and texture):

Mineral constituents

Percentage

Size

biotite

30%

muscovite

20%

quartz

50%

Additional test data (to incl. x-ray, spectrographic, physical, chemical and other test data)

samples taken at 150-160 feet

Evaluation of samples poor aquifer

Item	Last Name & Init.	Date
Mega. Desc.		
Geol. Desc.		
Micro. Desc.	Gardner L. H.	9/27/61
Eval.		

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

WATER WELL COMPLETION REPORT

WWCR-#83
VDMR-#479

OWNER: William Cockerham Mailing Address: _____
 TENANT: _____ Mailing Address: _____
 DRILLER: C. S. Brewer Mailing Address: Galax, Box 32, Va.
 WELL LOCATION: County Grayson Approx. _____ ft. miles
 (direction) of Baywood and _____ ft. miles of _____

(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rivers, etc. - on county highway or other map.)

WATER CONDITIONS

DEPTH

STATIC WATER LEVEL _____

WATER ZONES (fissures or formations supplying water)

(from) _____ ft.	(to) _____ ft.	(from) _____ ft.	(to) _____ ft.
_____ ft.	_____ ft.	_____ ft.	_____ ft.

QUANTITY OF WATER

WELL PUMPED (or bailed) at _____ Gal. per Min. with _____ feet **DRAWDOWN** after _____ HOURS PUMPING.

FLOW (natural) _____ G.P.M. HEAD _____ ft. (above ground) **W**

REMARKS: _____

QUALITY OF WATER

COLOR _____ TASTE _____

ODOR _____ OTHER _____

ANALYSIS: AVAILABLE - Yes No ATTACHED Yes No

TEMPERATURE _____
 _____ WATER (from) _____ ft. (to) _____ ft.
 (salt, brackish, iron, sulfur, acid, other)

USE OF WATER: Domestic Town Industry Farm Public **S**

CONSTRUCTION

RIG TYPE (or method) Bucyrus Erie, Cable
 (rotary, cable, bored, driven, etc.)

DATE: Started Jul. 12, 60, Completed _____

TOTAL DEPTH _____ ft.

BEDROCK at _____ ft.

GROUTING INFORMATION

METHOD USED _____

GROUTING MATERIAL _____

DEPTH OF GROUTING _____

HOLE SIZE

(diam) _____ in (from) _____ ft (to) _____ ft

CASING SIZE

(diam) _____ in (from) _____ ft (to) _____ ft

SCREEN (or perforations)

(diam) _____ in (from) _____ ft (to) _____ ft (opening size)

PUMP (installed)

TYPE _____ Cap. (gpm) _____

H.P. _____ Depth of intake _____ ft.

REMARKS: Sampled at 150+ ft. depth on Jul. 25, 60
(2 samples taken)
Requested: (a) Rock type
(b) Water bearing capacity C/o C. S. Brewer
More Info. later
Source of information: Claude S. Brewer, Driller

