INTERVAL SHEET

age 1		VDMR WELL NO,:	478	
DateNovember 14, 1960		Sample Interval:	from 60 t	070
PROP: Dessie Thomas		Total Depth		_
COMP: Claude S. Brewer	(OilGas	_WaterXExpl	oratory
COUNTY: Grayson (Fries)		Cuttings X Co	reOther_	
From-To From-To	From-To	From-	To F	rom-To
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Virginia Division of Mineral Resources Box 3667, Charlottesville, Virginia

ROCK AND MINERAL REPOSITORY

County: Grayson

VDMR Sample No: R-1870

General Name: Arkose conglomerate Formation or Unit: lower Unicoi

Age: Cambrian

Location: 6 miles west of Fries

Collector: Claude Brewer

(driller)

(Grayson 59)

Date Collected: 7/28/60

Megascopic Description

Name:

Hand Specimen:

Loose Material: drill cutting s

Color: fresh - white-light buff

weathered -

Distinguishing features: Arkose conglomerate consisting of fragmental quartz, feldspar, and clay material.

Mineral constituents

Estimated

Size

Color

Percentage

Cuttings too small for megascopic description

Geologic description:

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ROCK AND MINERAL REPOSITORY CONTD.

Microscopic Description under binocular microscope

Name:

Thin section:

Fragment immersion:

Polished section:

Distinguishing features (incl. fabric and texture):

Mineral constituents

Percentage

Size

quartz

feldspar

50%

20%

Medium-very coarse

clay

30%

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

samples taken at 60-70 feet

Evaluation of samples

fair water aquifer if clay isn't too
prevalent.

Item	Last Name & Init.	Date
Mega. Desc.		
Geol Desc.	7	
Micro. Desc.	Fardner L. H.	9/27/61
Eval.		

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

DIVISION OF MINERAL RESOURCES

WATER WELL COMPLETION REPORT

Box 3667, University Station, Charlottesville, Virginia

WWCR-#59 VDMR-#478

OWNER: Dessie Thomas Mailing Address: TENANT:__ _ Mailing Address _ ____ Mailing Address Galax, Box 32, Va. DRILLER: Claude S. Brewer __ Approx. ___6 WELL LOCATION: county Grayson West (direction) of Fries of Liberty Hill (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 ar irequentet cartz, folders STATIC WATER LEVEL _____ nsiming by driver - faircism WATER ZONES (fissures or formations supplying water) (to) (from) QUANTITY OF WATER WELL PUMPED (or bailed) at _____5? Gal. per Min. with ____feet DRAWDOWN after _____HOURS PUMPING. E FLOW (natural) ______G.P.M. HEAD____ft. (above ground) W REMARKS:____ QUALITY OF WATER Clear TASTE ____ COLOR _____ OTHER __ ANALYSIS, AVAILABLE- Yes | No | ATTACHED Yes | No | TEMPERATURE ___ (salt, brackish, iron, sulfur,acid, other) USE OF WATER: Domestic 20 Town | Industry | Farm | Public | CONSTRUCTION HOLE SIZE CASING SIZE RIG TYPE (or method) Cable (rotary, cable, bored, driven, etc...) DATE: Started 7/25/60; Completed 7/25/60 TOTAL DEPTH______67 ft SCREEN (or perforations) (diam.) BEDROCK at _____ft. GROUTING INFORMATION PUMP (installed) METHOD USED TYPE_ ____. Cap. (apm)___ GROUTING MATERIAL_ DEPTH OF GROUTING_ H.P. _____. Depth of intake__ ft. REMARKS:_ Siltstone Sandrock Sampled at 60-70 ft. interval Source of information: Claude S. Brewer, Driller Log of well (over)

FURNISHED BY______DATE: _____

DEPTH (feet) TYPE OF SOIL OR ROCK PENETRATED FROM TO (gravel, clay, etc., hardness, color, etc)			REMARKS	
ROM	10	(graver, clay, etc., naraness, color, etc.	:)	(water, caving, shot, screen, sample, etc.)
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0	10	Silt, soil of , xolob		Claude S. Erswer
10	60.3	0		Fragments taken from well wall
60	THE Y	redid		RESTANCE (WRIS)
60	70			Sample taken (WRA)
		Sample is arkose conglomerate	consisting	BNOTHINGS STEEL
of fragmental quartz, feldspar material - probably Cambrian U		of fragmental quartz, feldsna	r. and clay	E HTR30
		Unicoi	ATIC WATER LEVEL LEVEL 35	
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