OWNER: Kembill Corporation DRILLER: Frank W. Martin Drilling Co., Inc. COUNTY: Franklin (Scruggs) VDMR: 2081 WWCR: 98 TOTAL DEPTH: 285^t

GEOLOGIC LOG

Depth in feet

C

0-10	Saprolite - dark-reddish-brown; weathered and iron-oxide-stained, ' micaceous fragments of mica gneiss, mica, clay and quartz
10-20	11
20-30	17
30-40	**
40-51	**
51-60	Biotite-gneiss - dark-gray; medium- to fine-grained, foliated, micaceous; feldspar, quartz and biotite; minor amount of muscovite, and traces of amphibole and garnet (pink and orange)
60-70	•
70-80	11
80-90	11
90-100	11
100-110	11
110-120	11
120-130	11
130-140	
140-150	11
150-160	
160-170	11
170-180	**
180-190	11

OWNER:	Kembill Corporation #2081
190-200	Biotite-gneiss - dark-gray; medium- to fine-grained, foliated, micaceous; feldspar, quartz and biotite; minor amount of muscovite, and traces of amphibole and garnet (pink and orange)
200-210	11
210-220	81 1

11 220-230 11 230-240 11 240-250

250-260 Amphibole gneiss - black and white; medium- to coarse-grained, 260-270 foliated to lineated; feldspar, quartz, and amphiboles; trace of biotite

270-285

GEOLOGIC SUMMARY

Rock Unit

11

11

Age

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0-3¹ Saprolite Lynchburg Formation 3-285*

Precambrian

Virginia Division of Mineral Resources Robert G. Willson, Geologist January 11, 1968

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COMMONWEALTH	OF VIRGINIA WWCR -	
MAILING ADDRESS: DIVISION OF MINE P 3667	, COMMISSIONER	DFFICE ADDRESS: AcCormick Road harlottesville, Virginia
(.ete., signos, .eeee, .eee, .eeeee, .eeeeew) OWNER: Kembill Corporation	noo seenbood , ote .yoto (1999) Mailing Address: <u>Roanoke, Va.</u>	PROM TO
TENANT: Frank W. Martin N		
Frank W. Martin Drilling Co., Inc.	Mailing Address 5163 Starkey Rd.	SW, Roanoke, Va.
WELL LOCATION: County Franklin 4	argero brigd - multibast of billst	COL LUC
St. Rt. 122, on Smith Mt. Lake and		
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TW COUNTY HIGHWAY OR OTHER MAP.)	O REFERENCE POINTS - ROADS, TOWNS	, RIVERS, ETC ON
DATE STARTED: September 2, 1967	DATE COMPLETED: <u>Septembe</u>	<u>r 5, 1967</u>
TYPE OF DRILL RIG USED: Air Drill	TOTAL DEPT	H _285feet
WATER LEVEL: Stands 60 feet below	surface <u>OR</u>	
has <u>NATURAL</u> flow of	gallons per minute.	
YIELD TEST: Method Air Test	HOLE SIZE: 10 inches from _	0tofeet
Drawdown feet	6_inches from	<u>51 to 285</u> feet
Rate <u>30</u> gal. per min.	inches from _	tofeet
Duration <u>8</u> hrs., <u>o</u> min.	SCREEN SIZE:inches from	tofeet
WATER ZONES: from 165 to 170 feet	inches from _	tofeet
from <u>260</u> to <u>265</u> feet	inches from _	tofeet
fromtofeet	CASE SIZE: 6 1/4 inches from_	tofeet
WATER: Color_ClearToste	inches from_	tofeet
OdorTemp°F	inches from	tofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method Poured	
FarmTownSchool	Material <u>cement</u> D	epthfeet
IndustryOther_Subdivision	PUMP: Type	
WATER ANALYSIS AVAILABLE Yes No _X	Capacity	gal. per min
DRILL CUTTINGS SAVED: Yes X No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	ED FREE OF CHARGE UPON REQUES	SHIPPED TO THIS
if necessary)	(LOG OF WELL) OVER	

VDMR - 2081

COMMONWEALTDODF VIRGINIA WVCR - 98 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

FURNISHED BY Frank W. Martin Drilling Co., Inc. DATE January 2, 1968				
McCorntick Road Charlottes HT9 30 irginia		MELLI COMPLETION DEDOD		Contessville, VA 22202 HATER
(fe		TYPE OF ROCK OR SOIL PENET (gravel, clay, etc., hardness, color		REMARKS (water, caving, shot, screen, sample, etc.)
FROM	то	Molling Advesse Roanake, Va.		owner: Kembill Corporation
		Moiling Address Roanoke, Va.		TENANT: Frank W. Martin
0, 9701 30	30 Wa		g Co., Inc.	DRILLER Frank W. Martin Drillin
to (noito		Approx <u>5</u> <u>miles southeast</u>		WELL LOCATION: County Franklin
		fact(direction)		St. Rt. 122, on Smith Mt. Lake
	RIVERS, E	WO REFERENCE POINTS - ROADS, TOWNS,	MILES FROM TI	(GIVE DIRECTION AND DISTANCE IN FEET OR COUNTY HIGHWAY OR OTHER MAP)
	5, 1967	DATE COMPLETED: September		DATE STARTED: September 2, 196
10.01	285	TOTAL DEPTH	IliaC	TYPE OF DRILL RIG USED: Air
		<u>80</u> eopitus	wated tee	WATER LEVEL: Stonds 60
		gallons per minute	to wolf	bos NATURA
te et	0to5	HOLE SIZE 10 Inches from		YIELD TEST: Method Air Test
1991	51_to_28	6_inches from	198	Огамбомп
feet	ot	inches from	.ni (Rate 30 gal per r
10.01	o t	SCREEN SIZEinches from	nii	Duration <u>8</u> trs., 0. n
1991	o 1	inches from	170feet	WATER ZONES: from 165 to
teet	o1	inches from	265feet	from10
1feet.	B010	GASE SIZE: 6 1/4 inches from	1861	from
leet		inches from		WATER: Color Clear Toste
teet	ot		:io	OdorTemp
		GROUTING. Method Poured	· · · · · · · · · · · · · · · · · · ·	WELL TO SUPPLY: (check one) Home
1991	.th <u>.</u> 51	Material <u>cement</u> De		FarmTownSchoo
		PUMP. Type	sion	IndustryOther_Subdivi
per min	dbg	Capacity	N o	WATER ANALYSIS AVAILABLE Yes
feel		Depth of Infake	о И	DRILL OUTTINGS SAVED. YOUX
STHL				
				ADARKS
	<u></u>			
			7	

Havo (JJaw (Use additional forms if necessary)

WWCR - 98

INTERVAL SHEET

Pare 1 of 1	VDMR Well No: 2081
Date rec'd: 1/5/68	Sample Interval: from 0 to: 285*
PROP: Kembill Corporation	Number of samples: 28
COMP: F. W. Martin Drilling Co.	Total Depth: 285*
COUNTY: Franklin (Scruggs)	Oil or Gas: WaterX Exploratory:

From-To		From-To	From-To	From-To
0	- 10			
10	- 20	-	-	· · · · · · · · · · · · · · · · · · ·
20	- 30	· · · -	-	-
30	- 40	-	-	-
40	- 51	-	-	
10	51			
51	- 60	-	-	_ ^{2,2}
60	- 70		-	-
70	- 80	-	-	-
80	- 90	-	-	
90	- 100	-	-	_
70	100			
100	- 110	-	-	
110	- 120		_	
120	- 130	-	-	- 33,
130	- 140	-	-	- 194
140	- 150		-	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1
140	150			
150	- 160	-	-	-
160		-	-	-
		-	-	_
170			-	
180		-	-	-
190	200			
200	- 210	-	_	
200	210	-	-	-
210	220	_	-	
220	230		_	- <u></u>
230	240	_		
240	- 250			
			· · · · · ·	
250	260		-	
260	270		-	
270	285	-	-	
	_	-		
	-		· · · · · · · · · · · · · · · · · · ·	

All intervals have both washed and unwashed samples.

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