## COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road

B- 3667 lottesville, VA 22903 WELL COMPLETION REPORT WATER Charlottesville, Virginia

OWNER: Augusta County Service Authority Mailing Address: County Office Building, Virginia  TENANT: Lyndhurst test well Mailing Address: Lyndhurst	
DRILLER: William F. Caldwell, Jr. Mailing Address: Route #1, Fishersville, VA22939	)
WELL LOCATION: County Augusta Approx. 1 XXXXX south (direction)	of
Lyndhurst and 400 feet east (direction) of Highway 664	
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON COUNTY HIGHWAY OR OTHER MAP.)	
DATE STARTED: 9/9/69 DATE COMPLETED: 11/14/69	
TYPE OF DRILL RIG USED: Rotary and cable TOTAL DEPTH 265 fee	e¶
WATER LEVEL: Stands 19970 feet below surface OR	
vino and si manage and NATURAL flow of gallons per minute.	
YIELD TEST: Method Air HOLE SIZE: 8 3/4 inches from 0 to _202 fee	et
Drawdown 120 feet 6 inches from 202 to 265 fee	
Rate 350 gal. per mininches fromtofee	e t
edd lag of bourgion b3 hrs. 0 min. SCREEN SIZE: inches from to fee	
WATER ZONES: from	e t
145 150 from 178 to 185 feetinches fromtofee	
from 245 to 265 feet CASE SIZE: 6 inches from 0 to 202 fee	et
WATER: Colorcleartotototofee	
Odor none Temp. 54 °Finches fromtofee	
WELL TO SUPPLY: (check one) Home GROUTING: Methodnone	
Farm Town School	e t
IndustryOther_Co. Service Auth. PUMP: Typenone	• •
WATER ANALYSIS AVAILABLE: YesNo Gapacity gal. per mi	in
DRILL CUTTINGS SAVED: Yes 21 No Depth of intakefee	
(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)	
R ARKS: * see driller's log	_
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Caldwell Well Drilling November 28, 1969

FURNISHED BY: \_

DEPTHENTON TYPE OF ROCK OR SOIL PENETRATED REMARKS (feet) (gravel, clay, etc., hardness, color, etc.) (water, caving, shot, screen, sample, etc.) FROM TO 0 30 Clay, sand and sand boulders 85 30 Yellow clay Shale and gravel 100 gals. per minute cased off 85 100 at apprx. 90 feet. 130 Gravel 100 250 gals. per minute cased off 130 150 Limestone at 145 feet araid and northand avia) 150 180 Limestone Clay, shale and gravel 180 200 200 gals. per minute cased off at 182 feet \* 350 gals. per minute at 245 265 Brown shale 200 MATER LEVEL! STORES \* The last stream is the only one not cased off. Tear qualy This was an exploratory we which will have to be reamed, cased and screened to get the maximum potential flow. (ORILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED T NAVO (Use additional forms if necessary)

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Sample Interval: from 0 to: 265'

Date rec'd: December 11, 1969

PROP: Augusta Co. Ser. Authority

Number of samples: 21

(Lyndhurst Test Well)

Total Depth: 265'

VDMR Well No: 2707

COMP: W. F. Caldwell, Jr.

COUNTY: Augusta (Lyndhurst)

Oil or Gas: Water: x Exploratory:

From-To	From-To	From-To	From-To
0 - 15	-	_	-
15 - 30	-	-	
30 - 45	-	-	- <del>-</del>
45 - 60	~	_	
60 - 85	-	-	
85 - 100	<u> </u>	<u>~</u>	=
100 - 110	_	-	: <del>=</del> 1
110 - 120	_	· -	
120 - 130	_	_	.=
130 - 140	=	-	* =
140 - 150	_	_	:
150 - 160	_		
160 - 170	-	_	
_	_	1-	_
180 - 190	~	-	-
190 - 200	, <sub>-</sub> ,	-	-
200 - 210	-		
210 - 220	_	· -	-
220 - 230	<b>≒.</b>	:=-	-
230 - 240	: <del>-</del>	=	
240 - 250	_	·-	· -
250 - 265	: ( <del>-</del> -	-	-
-	* x-	-	-
-	.=	· -	-
-	Y <b>=</b> (	-	-
-		-	-
-		-	_
_	-		-
	-	-	_
	_	_	_

OWNER: Augusta Co. Serv. Auth.

(Lyndhurst Test Well)

DRILLER: J. W. Root

COUNTY: Augusta (Lyndhurst)

VDMR # 2707 WWCR # 396

TOTAL DEPTH: 265'

## GEOLOGIC LOG

Depth (feet)

0-85

Overburden — fragments of vein quartz, basalt, light-tan siltstone, maroon shale, ferruginous quartzite and red sandstone

## ELBROOK FORMATION (85-250')

85-100	Limestone - dark gray, fine- to medium-crystalline;
	with fragments of red sandstone, white vein quartz
	and light-tan siltstone

100-110	11
110-120	Ü
120-130	1.1

130-140

140-150

150-160 Limestone — dark gray, finely crystalline, banded; ironoxide stains on a few fragments

160-170

170-180 No Sample

180-190 Limestone — dark gray, finely crystalline, banded; ironoxide stains on a few fragments; minor amount of tan, vuggy calcite

190-200 " with minor amount of tan shale

OWNER:	Augusta Co. Serv. Auth. (Lyndhurst Test Well)	- 2 -	VDMR # 2707 WWCR # 396
200-210	Dolomite — light tan, vuggy calcite and		line; with fragments of
210-220	ü		
220-230	11		
230-240	Siltstone — light tan; r finely-crystalline crystalline limes	e dolomite and	s of vuggy calcite, l dark-gray, medium-
240-250	Shale and limestone — dark- to medium		ickensided shale, and mestone
ROME FORMATION ? (250-265')			
250-265	Limestone, sandstone coarsely-crystal grained sandstone dolomite; consider and a minor amor	line limestone e; light-tan, f erable amount	; light-tan, fine- inely-crystalline of tan, vuggy calcite
	GEOLOGIC S	IIMMARY	

## GEOLOGIC SUMMARY

Depth (feet)	Rock Unit	Age
0-85	Overburden	-
85-250	Elbrook Formation	Middle Cambrian
250-265	Rome Formation (?)	Early Cambrian

Virginia Division of Mineral Resources E. B. Nuckols III, Geologist May 17, 1971