OWNER: E. R. English

(Housing Development, Well #4)

DRILLER: Falwell Well Corporation

COUNTY: Bedford (Huddleston)

VDMR: 2054

WWCR: 169

TOTAL DEPTH: 300<sup>t</sup>

## GEOLOGIC LOG

Depth in feet		
0-10	quartz, feld	neiss - tan; weathered; very micaceous; spar, biotite, muscovite; (sample ground during drilling)
10-20	п	
20-30	11	
30-40	н	
40-50	11	
50-60	11	
60-70	п	
70-80	, m	grayish-tan; less weathered
80-90	TI .	· ·
90-100		ray to dark-gray, fine-grained, lineated; spar, biotite, and trace of muscovite
100-110	11	
110-120	H	
120-130	II	
130-140	11	
140-150	ŧţ	
150-160	11	with a few fragments of amphibolite
160-170	II	11
170-180	11	
100 100		11

11

180-190

OWNER: E.	R. English (Housing	Development, Well #4)	#2054
190-200	quartz, feld	gray to dark-gray, fine-gragelspar, biotite, and trace of ments of amphibolite	ined, lineated, muscovite;with
200-210	Biotite-gneiss - g quartz, felo of garnet	gray to dark-gray, fine-gradspar, biotite, and trace of	ined, lineated, muscovite; trace
210-220	11		
220-230	tt		
230-240	ff		
240-250	11		
250-260	tf.		
260-270	11		
270-280	11		
280-290	11	30% of sample is hornble	ndeamphibolite
290-300	rs .	minor amount of hornbler	nde amphibolite
	GEO	LOGIC SUMMARY	
	Rock Unit	Age	

	Rock Unit	Age
0-300°	Lynchburg Formation	Precambrian

Virginia Division of Mineral Resources Robert G. Willson, Geologist December 6, 1967

## COMMONWEALTH OF VIRGINIA

WWCR - 169 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

3667 rlottesville, VA 22903 JAMES L. CALVER, COMMISSIONER

McCormick Road Charlottesville, Virginia

VDMR - 2054

OFFICE ADDRESS:

E B English	Alterriate Vincinia
OWNER: E. R. English	
TENANT: Housing Development, Well #4	Mailing Address:
DRILLER: Falwell Well Corporation	
WELL LOCATION: County Bedford	Approx. 10 kesk southwest (direction) of
Huddleston 2,000	feet from (direction) of St. Rd. 626
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TO COUNTY HIGHWAY OR OTHER MAP.)	WO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON
DATE STARTED: 10/17/67	DATE COMPLETED: 10/23/67
TYPE OF DRILL RIG USED: Air Rotary	TOTAL DEPTH 300 feet
WATER LEVEL: Stands 80 feet below	surface <u>OR</u>
has <u>NATURAL</u> flow of	gallons per minute.
YIELD TEST: MethodAir	HOLE SIZE: 10 inches from 0 to 90 feet
Drawdown 180 feet	6 inches from 90 to 300 feet
Rate 20 gal. per min.	inches fromtofeet
Duration $\frac{6}{\text{hrs.}}, \frac{0}{\text{min.}}$	SCREEN SIZE:inches fromtofeet
WATER ZONES: from 260 to 280 feet	tofeet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 6 inches from 0 to 90 feet
WATER: Color Clear Toste Good	Weight: 19.45# per ftfeet
Odor_NoneoF	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method _ Poured
Farm Town School	Material Cement and Water Depthfeet
IndustryOtherX	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo_X	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes X No (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT II OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHE	ED FREE OF CHARGE UPON REQUEST.)

FURNISHED BY: Falwell Well Corporation DATE: November 20, 1967

V.DMR - 2054

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DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED		REMARKS	
ROM	то	( gravel, clay, etc., hardness, color,	etc.)	(water, caving, shot, screen, sample, etc	
0 90 250	90 250 300	Sand and red clay Granite and mixed formation Mixed formation	⊕ ii	ENANT: Housing Development, We will ER Felwell Well Corporation	
3	ð .bÆ .s	Res (marrowshi) resoul tent	2,000	notaelbhud	
40 - 0	RIVERS, ET		WINES FROM THE	VE DRECTION AND DISTANCE IN FEET OR OUNTY HIGHWAY OR OTHER MAR?	
		10/22/07		TE STARTEB! 10/17/67	
- 91	300		(1550)	PE OF DRIVE RIG VAED. ALL	
			, wated let	TER LEVEL SHORE	
			ru mglt _i	ESUTAR IST	
es)	00.0	HOEE SIZE 10 - Ha low O		TIA BUNDA TEST CLIS	
. <sub>01</sub> 00	[S]	Rann same	189	021	
us I			81	20 401 001	
991			40		
ng 1	01		1991 08	TER ZONES from 260 102 2	
121			(100)	(o) mont	
991	00	CASE SIZE 6 Inches 10 ASE ass	last	fromtn	
991	01	Weight: 19. 45% per	boo	D TEN CHOOL TOTAL	
191				nger Noae	
		beroot Pours Malland Poured		LL TO SUPPLY: Length one: Name	
100		Material Cement and Wate		FormSchool	
				Industry Other	
im rec	162			TER ANALYSIS AVAILABLE Yes	
SIHT	or gagges			LL SUTTHMES SAMED OF COLLECTED	
				FIGE EXPRESS COLLECT, SAMPLE HAS	
				ARKS	

(Use additional forms if necessary)

## INTERVAL SHEET

Pa 1 of 1

VDMR Well No: 2054

Date rec'd: 11/30/67

COMP:

Sample Interval: from 0 to: 300°

PROP: E. R. English, Well #4

Number of samples: 30

Falwell Well Corporation

Total Depth: 300°

COUNTY: Bedford (Huddleston)

Oil or Gas: WaterX Exploratory:

From-To	From-To	From-To	From-To
0 - 10	_		
10 - 20	-	~	
20 - 30	-	-	-
30 - 40	-	=	-
40 - 50	-	-	
50 - 60	-		<u> 1</u> 4.
60 - 70	<u>-</u>	-	
70 - 80	_	_	_
80 - 90	-	· -	<u> </u>
90 - 100	-	-	-
100 - 110	<u>=</u>	¥	
110 - 120	<b>-</b>	· •	-
120 - 130	~ <del>-</del>	<b>~</b>	-
130 - 140		-	<u>-</u>
140 - 150	-	· · · · · · · · · · · · · · · · · · ·	-
150 - 160		- <del>-</del>	
160 - 170		- · · · · · · · · · · · · · · · · · · ·	
170 - 180	<del>-</del>	<del>-</del>	
180 - 190	-	<u>-</u>	- 1
190 - 200	-	<u>-</u>	-
200 - 210	-	-	
210 - 220		-	-
220 - 230	<b>-</b>	, <del>-</del>	
230 - 240			
240 - 250	- * .	·	- 100
250 - 260		6	1 - 2 - 3 - 2 - 1 - 2 - 3 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3
260 - 270	-	-	
270 - 280	·	_	<u> </u>
280 - 290	· <del>-</del> -	= =	
-	~	-	- 10 (SA)
290 300		1 1 1 1 1	- J
	All intervals have b	oth washed and unwash	lea samples.