W#: 4841 C#: 199

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES OFFICE ADDRESS:

В	3667	

JAMES L. CALVER, COMMISSIONER

McCormick Road

Ch., lottesville, VA 22903 WATER WELL CO	OMPLETION REPORT Charlottesville, Virginia
OWNER: Warren E. Dunlevy #1	2435 Old Bermuda Hundred Rd. Mailing Address: Chester, Va. 23831
TENANT:	
DRILLER: J. J. Mitchell, Jr.	Mailing Address Colonial Heights, Va. 23834
WELL LOCATION: County Prince George Kings Subdivision-Bickens Ln. Well #1 Lot 4, Blk. B, Section 3	Approxmiles(direction) of feetmiles(direction) of
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TO COUNTY HIGHWAY OR OTHER MAP.)	
DATE STARTED: Feb. 1977	DATE COMPLETED: Feb. 1977
TYPE OF DRILL RIG USED: Cable tool	TOTAL DEPTH 131 feet
WATER LEVEL: Stands 12 feet below	surface <u>OR</u>
has <u>NATURAL</u> flow of_	gallons per minute.
YIELD TEST: Method Pumped	HOLE SIZE: 7 inches from 0 to 12 feet
Drawdown 86'9" feet pump pipe used, took no air Rate 12 gal. per min.	
Duration6hrs.,min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: fromtofeet	inches fromtofeet
fromfeet	inches fromtofeet
fromfeet	CASE SIZE: 4 inches from +1 to127'2" feet
WATER: ColorTaste	inches fromtofeet
Odor	inches fromtofeet
WELL TO SUPPLY: (check one) Home X	GROUTING: Method
Farm Town School	Material Cement & sand Depth 12 feet
IndustryOther	PUMP: Type
WATER ANALYSIS AVAILABLE:YesNo	Capacitygal_per_min
DRILL CUTTINGS SAVED: 13 Yes X No DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT IN OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHER ARKS:	D FREE OF CHARGE UPON REQUEST)

LOGTICEMIONMOS

EPARTMENT OF CONSTRUCTION OF CONSMIC DEVELORMENT

STAD

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED		REMARKS	
FROM	то	(gravel, clay, etc., hardness, color, etc.)		(water, caving, shot, screen, sample, etc	
0	10	Orange dirt		ЕМДИТ.	
10	E8E20 .5	15815 Happy Hill IV Dittoing autons Colonial Heiottid V		and eg J. J. Mitchell, Jr.	
20	30	Orangeish dirt	1	ELL LOCATION CALLY Prince Geor	
30	80	Gray dirt & shell fragments	1 #1	ings Subdivision-Bickens Ln. Wel	
90	110	Gray sand	Jiwa	ot 4, Blk. B, Section 3	
110	131	Gray sand & gravel	SAT NOTES SETON IS		
		ATE COMPLETED Feb. 1977	3	TE STARTES _ Peb. 1977	
	131		cool	ree of DRILL RIG USED Cable	
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				used, took no air	
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	1 127	CASE SIZE A	1.616		
			X		
	12	Material Cement & Sand ne			
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				ARKS	
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VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1 Well Repository No: W#: 4841 C#: 199

Date rec'd: 4-26-77 Date Processed: 8-9-77 Sample Interval: from:0 to: 130

PROPERTY: Warren E. Dunlevy #1 Number of samples: 13

(Kings Subdivision)
COMPANY: Mitchell W & P Co. Total Depth: 131'

COUNTY: Prince George Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	_
20 - 30	1-1	-	, =
30 - 40	-	_	John Co.
40 - 50	× :	1-	-
50 - 60	· —	S <u>—</u> +°	-
0 - 70	9 <u>—</u> 3	(=)	_
70 - 80	-	=	MAC 2000
80 - 90	<u> </u>	j -	-
90 -100	- ;	·-	_
100 -110	<i>9</i> 5	-	
110 -120	=		<u>1945</u> Sais
120 -130	3=	:	4124 g 4145
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Washed and unwashed samples.

OWNER: Warren E. Dunlevy #1 (Kings Subdivision)

DRILLER: Mitchell W & P Co.

COUNTY: Prince George

W#: 4841 C#: 199

TOTAL DEPTH: 131'

GEOLOGIC LOG

Depth (feet)

- 0-10 Sand dark yellowish orange; slight staining; moderate clay; medium to very coarse grained, some fine grains, few granules; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; few opaques.
- 10-20 As above plus few pebbles; some glauconite.
- 20-30 Sand pale yellowish orange; abundant clay-pale yellowish orange, moderate reddish brown; fine to medium grained, some coarse grains; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite.
- 30-40 Sand olive light gray; moderate clay-olive light gray, medium dark gray; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some glauconite; few shell fragments.
- 40-50 Clay olive light gray, yellowish brown, white; moderate sand; fine to medium grained; subangular to subrounded; well sorted; quartz; 15% shell fragments; glauconite 10% of sand sized fraction; some spines; some black phosphatic material; ostracodes; foram.
- 50-60 Clay olive light gray; slightly sandy; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 20% shell fragments; some black phosphatic material; some glauconite; some spines; forams scarce (inc. Robulus).
- 60-70 Sand light olive gray; slightly clayey; fine to medium grained; subangular to subrounded; well sorted; quartz; 5% shell fragments; some black phosphatic material; some glauconite; few spines; forams (inc. Robulus).
- 70-80 As above except light gray; 2% shell fragments.
- 80-90 Sand dark greenish gray, olive gray; slightly clayey; very fine grained, subangular to subrounded; well sorted; quartz; 7% glauconite; some shell fragments; few flakes of muscovite.
- 90-100 Sand white; coarse grained, some medium grains; subangular to subrounded; well sorted; quartz; feldspar.
- 100-110 As above except medium to coarse grained, moderately well sorted.

(Kings Subdivision)

Depth (feet)

110-120 Sand — white; medium to very coarse grained, some granules; subangular to subrounded; quartz; feldspar; few grains of garnet.

120-130 Sand — white; coarse to very coarse grained, some granules; subangular to subrounded; quartz; feldspar.

130-131 No sample.

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

Depth (<u>feet</u>)	Thickness (feet)	Rock Unit	Time Rock Unit
0-30	30	Moorings "Unit"	Pleistocene
30-80	50	Calvert Formation	Miocene-Eocene
80-90	10	Nanjemoy Formation	Eocene
90-130	40+	Patuxent Formation	Creataceous

VIRGINIA DIVISION OF MINERAL RESOURCES David A. Hubbard, Jr., Geologist September 11, 1978