W# 4498 C# 189

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER Br 3667

McCormick Road

OFFICE ADDRESS:

WATER C. lottesville, VA 22903 COMPLETION REPORT WELL

Charlottesville, Virginia

OWNER: Thacker Logging - J. Lee Thacker	Mailing Address: Disputana, VA. 23842
TENANT:same	Mailing Address:
The Market No. 8 and	23834
DRILLER: J. J. Mitchell. III	
WELL LOCATION County Prince George Left off Rt. 460 behind Firehouse in Disputana which is between Rt. 619 & 625 towardsdNorfolk.	Approxfeet drich approximate operation of of feet
Č.	13322
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM T COUNTY HIGHWAY OR OTHER MAP.)	ednementa Lieda - direy dare
DATE STARTED: August 1975	DATE COMPLETED: August 1975
TYPE OF DRILL BIG USED: cable tool	22
TYPE OF DRILL RIG USED: cable tool	The state of the s
WATER LEVEL: Stands 51 feet below	surface OR office OSI
has <u>NATURAL</u> flow of_	gallons typer wind te. 021
YIELD TEST: Methodpumped	HOLE SIZE 1970 inches from 0 to 12 feet
1.7	155 Ditto
Drowdown 110' pipe took no air	
Rategal. per min.	tofeet
Duration hrs.,min.	SCREEN SIZE: 3 3/4 inches from 145 to 155 feet
WATER ZONES: fromtofeet	with blank abovefeet
WATER ZONES, from	inches fromToTeef
fromfeet	inches fromtofeet
fromtofeet	CASE SIZE: 4 inches from 0 to 145 11 feet
WATER: ColorTaste	inches fromtofeet
Odor	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method
	Poured in sand and
Farm Town School	Material gravel Depth 12 feet
IndustryOther_for_shop	PUMP: Type
WATER ANALYSIS AVAILABLE: YesNo	Capacitygal per min
DRILL CUTTINGS SAVED: Yes X No	Depth of intakefeet
(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	
R ARKS:	

189	C#	LOG		
FURNISHED	BY:		DATE:	

	TH	TYPE OF ROCK OR SOIL PENET	RATED REMARKS
(fee		(gravel, clay, etc., hardness, color,	
ROM	3842 ⁰ T	Disputana, VA.	Thacker Louging - J. Lee Thicker
			SAMPLE # 90052
	236		
100	Rd.Col.Hg	gray top soil	H.LER .J. J.Mitchell. III $_{ m I}$
10	usinge	orange dirt	And the contract of the contra
20		Ditto	eft off Rt. 460 behind Firehouse in Disputana
30		tan dirt	hich is between Rt. 619 & 622 towards Norfelk
40 50		DICCO	5
60	3,29300	gray dirt - shell fragments	
70		보고 있다	
80		Ditto Ditto	TETRATE August 1975 8
900		Ditto	NACE TO A SECOND
.00	1.55.1	dark gray dirt - shell fragment	100± 01d10 11 11 110 110 110 110 110 110 110
10		Ditto	1.0
.20		Ditto	13 III III III III III III III III III I
.30		medium gray dirt	14
.40		gray sand	15
.50	0_ = 13	gray sand and gravel	_ pragraydo 11 0 pumptype
.55		Ditto	17
	12	a list the energy against the list of the	bergun 11.0 Pipunp types
			took no air
			25 34 34 34
	n blank a	COSTIN SIZE 3.3/4 POR VARIANTE VILLE	TER ZONES For
1	-0.5		3 8 8 7
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	W. F		
			70.0
			C. Ed. St. Philippines and House Land
		Poured in sand at	
p. 1		gravel	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	2		before for short
			Toug Tot 18849 - 54854200
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24047			THE STATE OF STATE OF STREET
			manders and the first of the manders that
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(Use additional forms if necessary)

VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1	of 1		Well 1	Repository	No: W-4498	
Date rec'd:	11/18/75 Date	Processed: 11/9/76	Sample	e Interval		

PROPERTY: Thacker Logging Number of samples: 17

COMPANY: Mitchell's Well & Pump Co. Total Depth: 155'

COUNTY: Prince George (Disputanta) Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0- 1	-	_	_
1- 10	-	i - :	_
10- 20	_	-	-
20- 30	=	· =	-
30- 40	'= 7	_	-
40- 50	-	-	-
50- 60	·	_	-
60- 70	-	-	-
70- 80	=	-	-
80- 90	-	-	-
90- 100			
	_	-	_
100- 110	_		-
110 - 120	_	-	-
120-130	-	=	-
130- 140	-	=	-
140 - 150	_	_	_
150 - 155	_	_	_
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th washed and unwashed samples.

OWNER: Thacker Logging
DRILLER: Mitchell's
COUNTY: Prince George
(Disputanta)

W#: 4498 C#: 189

TOTAL DEPTH: 155'

GEOLOGIC LOG

Depth (feet)

- 0-1 Sand yellowish gray; moderate clay; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; some feldspar; few opaques.
- 1-10 Sand dark yellowish orange; moderate staining; moderate clay; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; 2% glauconite.
- 10-20 As above.
- 20-30 Sand off white; slightly clayey; medium to very coarse grained, some fine grains, some granules; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.
- 30-40 As above except medium grained to granular, some fine grains; poorly sorted.
- 40-50 Sand dusky yellow; abundant clay; medium grained; subangular to subrounded; well sorted; quartz; 3% glauconite; 2% shell fragments; some spines; black phosphatic material; ostracode.
- 50-60 Sand light olive gray; moderate clay; fine to medium grained; subangular to subrounded; well sorted; quartz; 7% shell fragments; some black phosphatic material; few grains of glauconite.
- 60-70 Sand olive light gray; slightly clayey; fine to medium grained; subangular to subrounded; well sorted; quartz; 5% shell fragments; some black phosphatic material; few spines.
- 70-80 As above plus Cibicides.
- 80-90 Sand dark grayish olive; moderate clay; very fine grained; subangular to rounded; well sorted; quartz; 10% glauconite; some shell fragments; some black phosphatic material; few spines.
- 90-100 Sand dark grayish olive; moderate clay; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 15% glauconite; 2% shell fragments; some black phosphatic material; few spines; forams (inc. Nonion).
- 100-110 Sand dark grayish olive; moderate clay; medium grained; subangular to rounded; well sorted; quartz; 30% glauconite; 15% shell fragments; some spines; some black phosphatic material; ostracodes; foram.
- 110-120 As above plus 5% quartz granules, few pebbles; 2% shell fragments.

Depth (feet)

- 120-130 Sand light olive gray; moderate clay; medium grained to granular, few pebbles; subangular to subrounded; moderately sorted; quartz; 3% glauconite; some feldspar; few shell fragments.
- 130-140 Sand white; medium to very coarse grained, 5% granules; subangular to subrounded; moderately sorted; quartz; feldspar; 2% glauconite; few shell fragments.
- 140-150 Sand white; slightly clayey; coarse grained to granular (30%), some pebbles; subrounded; moderately sorted; quartz; feldspar.
- 150-155 Sand white; medium to very coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; 2% glauconite; few grains of garnet.

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

Depth (feet)	Thickness (feet)	Rock Unit	Time Rock Unit
0-20	20	Moorings "Unit"	Pleistocene
20-50	30	Yorktown Formation	Pliocene-Miocene
50-80	30	Calvert Formation	Miocene-Eocene
80-120	40	Nanjemoy Formation	Eocene
120-155	35+	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES David A. Hubbard, Jr., Geologist August 18, 1978