COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2573
C-125

MAILING ADDRESS:
B[illegible] 3667
C[illegible]lottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Hanover County School Board Mailing Address: Ashland, Virginia 23005

TENANT: Lee Davis High School, well #2 Mailing Address: _____

DRILLER: Mitchell's Well & Pump Company Mailing Address: Route #1, Bx. 110, Col. Hgt, Va 23834

WELL LOCATION: County Hanover Approx. 2 ~~feet~~ miles east (direction) of Mechanicsville on U.S. Hwy 360/ directly behind Lee Davis High School and _____ feet miles _____ (direction) of _____

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: April 1969 DATE COMPLETED: April 1969

TYPE OF DRILL RIG USED: cable tool TOTAL DEPTH 285'7" feet

WATER LEVEL: Stands 140 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped

Drawdown 24' total when _____ feet

Rate 50 gal. per min. for 12 hours continous pumping

Duration 16 hrs., 0 min.

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color clear Taste good

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes x No _____

30

DRILL CUTTINGS SAVED: Yes _____ No _____

HOLE SIZE: 12 inches from 0 to 53 feet

6 inches from 53 to 285-1/2 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 5 inches from 265'7" to 285'7" feet with blank above

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 264-1/2 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method poured

Material cement & water Depth 53' feet

PUMP: Type not installed this date

Capacity _____ gal. per min

Depth of intake _____ feet

(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.)

REMARKS: _____

(LOG OF WELL) OVER

LOG

FURNISHED BY: Mitchell's Well & Pump Company DATE: April 25, 1969

DEPTH (feet) FROM	TO	TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
0	10	Red Mud	
10	20	Red mud and gravel	
20	30	red mud and sand	big cave at 23': filled with sand, gravel and cement
30	40	blue mud and clay	
40	50	"	
50	60	"	
60	70	"	
70	80	blue mud and gravels	
80	90	"	
90	100	sand and mud	
100	110	"	
110	120	blue mud and sand	
120	130	"	
130	140	"	
140	150	gray mud and sand	
150	160	"	
160	170	"	
170	180	gray mud, sand and shell	
180	190	sand and gravel	
190	200	"	
200	210	"	
210	220	"	
220	230	"	
230	240	"	
240	250	"	
250	260	"	
260	270	"	
270	280	"	
280	285'7"	sand and gravel	
		Samples retained in our office for pickup by personnel of DIVISION OF MINERAL RESOURCES	

(Use additional forms if necessary)

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Farm _____ Town _____ School _____

Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes x No _____

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Depth of intake _____ feet

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REMARKS: 7-Pines

Elev 2165' topo

(LOG OF WELL) OVER

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

INTERVAL SHEET

Page 1 of 1

Date rec'd: 6/27/69

PROPERTY: Hanover County School Board (Lee Davis High School #2)

COMPANY: Mitchell's Well & Pump Co.

COUNTY: Hanover (Mechanicsville)

Well Repository No: W-2573 C-125

Sample Interval: from 0 to: 285'7"

Number of samples: 27

Total Depth: 285'7"

Oil or Gas: Water x Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250 - 260	-	-
10 - 20	260 - 270	-	-
20 - 30	270 - 280	-	-
30 - 40	280 - 285'7"	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 -100	-	-	-
100 - 110	-	-	-
110 -120	-	-	-
120 -130	-	-	-
130 -140	-	-	-
140 -150	-	-	-
150 -160	-	-	-
-	-	-	-
170 -180	-	-	-
180 -190	-	-	-
190 -200	-	-	-
200 -210	-	-	-
-	-	-	-
220 -230	-	-	-
230 -240	-	-	-
240 -250	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Hanover Co. School Board
(Lee-Davis H.S. #2)
DRILLER: Mitchell's W&P
COUNTY: Hanover
(Mechanicsville)

W#: 2573
C#: 125
TOTAL DEPTH: 285.5'
QUAD: Seven Pines

GEOLOGIC LOG

Depth (feet)	
0-10	Sand — dark yellowish orange; slightly clayey; medium grained, some coarse grains, 3% granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques; few grains of glauconite.
10-20	Sand — grayish orange; slightly clayey; medium grained to granular, 7% pebbles; subangular to subrounded; poorly sourted; quartz; feldspar; some opaques; muscovite.
20-30	Sand and gravel — grayish orange; slightly clayey; medium grained to granular, some fine grains, 40% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques.
30-40	Clay — olive light gray; moderate fine grained sand, few granules; subangular to subrounded; well sorted; quartz; some muscovite; some glauconite; few grains feldspar.
40-50	As above plus few black phosphatic fragments; few flakes of biotite.
50-60	Clay — olive light gray; abundant very fine grained sand; subangular to subrounded; well sorted; quartz; some black phosphatic material; some glauconite; muscovite.
60-70	As above.
70-80	Sand and clay — olive light gray; moderate clay; abundant sand; fine to medium grained, some coarse grains, some granules; subangular to rounded; moderately sorted; quartz; 20% glauconite; some muscovite; some shell fragments; some black phosphatic material.
80-90	Sand — olive gray; moderate clay; very fine to medium grained, some granules, few pebbles; subangular to rounded; moderately sorted; quartz; 25% glauconite; 2% muscovite; some shell fragments; few black phosphatic fragments; few echinoid spines.
90-100	As above except no pebbles; forams rare (inc. Robulus).
100-110	Clay — very light gray; slightly sandy; medium grained; rounded; well sorted; glauconite 80% of sand sized fraction; quartz; some muscovite.

Depth (feet)	
110-120	Clay — medium light gray, medium gray; abundant very fine to medium grained sand; subangular to rounded; moderately sorted; quartz; glauconite 30% of sand sized fraction; some muscovite; few shell fragments; few black phosphatic fragments inc. shark's tooth.
120-130	Clay and sand — olive light gray; abundant clay; moderate very fine to medium grained sand; subangular to rounded; moderately well sorted; quartz; 25% glauconite; 2% muscovite; few flakes of biotite.
130-140	Sand — olive gray; abundant clay; very fine grained; subangular to subrounded; well sorted; quartz; 25% limestone fragments; 5% glauconite; 2% muscovite; some black phosphatic material; bone fragments.
140-150	Clay — very light gray; slightly sandy; medium to coarse grained; rounded; moderately well sorted; limestone fragments 15% of washed sample; quartz; some glauconite; muscovite; few black phosphatic fragments.
150-160	Clay — olive gray, very light gray; abundant very fine to fine grained sand; subangular to rounded; moderately well sorted; quartz; glauconite 20% of sand sized fraction; 15% limestone fragments; some shell fragments; some muscovite; forams (inc. Robulus, Cibicides, Dentalina, and Buccella); few echinoid spines; ostracode.
160-170	No sample.
170-180	As (150-160) except some medium grains; some pebbles; 15% shell fragments; forams rare (inc. Robulus); no limestone.
180-190	Sand and granules — white; coarse to very coarse grained, 40% granules, 5% pebbles; subrounded; moderately sorted; quartz; feldspar; some glauconite; few shell fragments; muscovite.
190-200	Sand — white; coarse grained to granular, some medium grains; few pebbles; subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.
200-210	Sand — white; coarse grained to granular, some medium grains, 10% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; few grains of garnet; muscovite.
210-220	No sample.
220-230	As (200-210).
230-240	As above except 15% pebbles; no garnet.

Depth (feet)	
240-250	Sand — white; coarse grained to gravel (25%); subrounded; poorly sorted; quartz; feldspar; few flakes of muscovite.
250-260	Sand — white; coarse grained to granular, 7% pebbles; subrounded; moderately sorted; quartz; feldspar; few grains of garnet.
260-270	As above except 15% pebbles.
270-280	Sand and gravel — white; coarse grained to granular, 40% pebbles; subrounded; poorly sorted; quartz; feldspar; few grains of garnet.
280-285.5	Sand — white; coarse grained to gravel (20%); subangular to subrounded; poorly sorted; quartz; feldspar; few flakes of muscovite.

Logged by: Michael T. Currie
January 4, 1979