W-4160
C-175

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Charles Everett — Mailing Address: Montchanin, Delaware 19710

TENANT: Charles Everett — Mailing Address: Laurel Branch, Doswell, Virginia

DRILLER: Sydnor Hydrodynamics, Incorporated — Mailing Address: P. O. Box 27186 Richmond, Virginia 23261

WELL LOCATION: County Hanover — Approx. 2 ~~feet~~ miles west (direction) of U. S. Highway 1 and 2,000 ~~feet~~ miles north (direction) of State Road 684

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

DATE STARTED: June 19, 1974 — DATE COMPLETED: June 26, 1974

TYPE OF DRILL RIG USED: rotary — TOTAL DEPTH 370 feet

WATER LEVEL: Stands 26 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method airlift

Drawdown 344 feet

Rate 1 3/4 gal. per min.

Duration _____ hrs., _____ min.

WATER ZONES: from 160 to 161 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home x

Farm _____ Town _____ School _____

Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes _____ No x

DRILL CUTTINGS SAVED: Yes 38 No _____

HOLE SIZE: 10 inches from 0 to 66 feet

6 inches from 66 to 370 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from +1 to 66 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method _____

Material clay seal Depth 66 feet

PUMP: Type _____

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: _____ DATE: _____

DEPTH (feet) FROM	DEPTH (feet) TO	TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
0	1	Top soil	
1	10	Red clay	
10	25	Yellow sandy clay and gravel	
25	60	Gray soft shale	
60	80	Red shale	
80	85	Soft red shale	
85	370	Red shale (some water 160-161 ft.)	

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1

Well Repository No.: C-175 W-4160

Date rec'd: 07/18/74 Date Processed: 06/18/75

Sample Interval: from 0 to: 370

PROPERTY: Charles Everett

Number of samples: 38

COMPANY: Sydnor Hydrodynamics, Incorporated

Total Depth: 370'

COUNTY: Hanover

Oil or Gas: Water: x Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	90-300	-	-	-
10-20	300-10	-	-	-
20-30	10-20	-	-	-
30-40	20-30	-	-	-
40-50	30-40	-	-	-
50-60	40-50	-	-	-
60-70	50-60	-	-	-
70-80	60-70	-	-	-
80-90	-	-	-	-
90-100	-	-	-	-
100-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90-200	-	-	-	-
200-05	-	-	-	-
05-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-

Washed and unwashed samples

-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

OWNER :	Charles Everett	W# :	4160
DRILLER:	Sydnor Hydrodynamics, Inc.	C# :	175
COUNTY :	Hanover	TOTAL DEPTH:	370'
		QUAD :	Ruther Glen

GEOLOGIC LOG

Depth (feet)	
0-10	Sand- light brown slightly clayey; coarse grained to granular, some medium grains, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few flakes of muscovite.
10-20	As above plus some fine grains; 5% pebbles; poorly sorted.
20-30	Sand- grayish-orange; slightly clayey; slightly silty; very fine to medium grained, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; few flakes of muscovite; few opaques.
30-40	Sand- dark yellowish-orange; slightly silty; very fine to medium grained, some coarse grains, some granules, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few flakes of muscovite; biotite; few opaques.
40-50	Sand- light olive gray; moderate clay; very fine to medium grained; subangular to subrounded; moderately well sorted; quartz; few flakes of muscovite.
50-60	Subgraywacke to subarkose (weathered)- pale yellowish-brown; moderate clay; quartz; white potassic feldspar; some biotite; few flakes of muscovite; garnet.
60-70	Subgraywacke to subarkose- moderate brown; ferruginous cement; quartz; white potassic feldspar; 3% biotite; few flakes of muscovite; few grains of hornblende.
70-80	Arkose- pale brown; ferruginous cement; quartz; pink microcline; white potassic feldspar; some biotite; few grains of garnet; muscovite.
80-90	As above.
90-100	Subgraywacke to subarkose- moderate brown; ferruginous cement; quartz; pink microcline; some white potassic feldspar; biotite; muscovite.
100-110	As above except pale brown; some garnet.

Depth (feet)	
110-120	Arkose- pale brown; pink microcline; quartz; some white potassic feldspar; some biotite; muscovite; few grains of garnet.
120-130	Subgraywacke to subarkose- pale brown; ferruginous cement; quartz; pink microcline; white potassic feldspar; some biotite; muscovite.
130-140	Arkose- pale brown; pink microcline; quartz; some biotite; muscovite; few grains of garnet.
140-150	Subgraywacke to subarkose- moderate brown; ferruginous cement; quartz; white potassic feldspar; some biotite; muscovite; few grains of garnet.
150-160	As above.
160-170	As above.
170-180	As above except 2% muscovite.
180-190	As above.
190-200	As above except 2% biotite; muscovite.
200-205	As above.
205-210	Arkose- pale brown; ferruginous cement; pink microcline; quartz; some biotite; muscovite; few grains of garnet.
210-220	Subgraywacke to subarkose- moderate brown; quartz; pink microcline; white potassic feldspar; some biotite; muscovite.
220-230	As above.
230-240	As above.
240-250	As above.
250-260	Arkose- pale brown; pink microcline; quartz; some white potassic feldspar; biotite; muscovite.
260-270	As above.
270-280	As above.

Depth (feet)	
280-290	As above.
290-300	As above.
300-310	Subgraywacke to subarkose- pale brown; quartz; pink microcline; white potassic feldspar; some muscovite; few flakes of biotite.
310-320	Subgraywacke to subarkose- moderate brown; ferruginous cement; quartz; white potassic feldspar; pink microcline; some muscovite; biotite.
320-330	As above.
330-340	As above.
340-350	As above.
350-360	Arkose- pale brown; pink microcline; quartz; white potassic feldspar; some biotite; muscovite; few grains of garnet.
360-370	As above.

Note: All samples are unwashed.

Logged by: Michael T. Currie
May 23, 1979