

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3060
C-143

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

P. 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Leon Goddard Mailing Address: Luckham Pt., Lillian, Va.

TENANT: Lucom Point Sub. Mailing Address: _____

DRILLER: Douglas & Dickinson, Inc. Mailing Address: Box 498, Warsaw, Virginia

WELL LOCATION: County Northumberland Approx. 1 1/2 ~~text~~ miles south (direction) of

Lillian P. O. and 1 ~~text~~ miles north (direction) of Haynie Point

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

DATE STARTED: _____ DATE COMPLETED: January 6, 1967

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 735 feet

WATER LEVEL: Stands 13 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method _____

Drawdown 47 feet

Rate 33 1/3 gal. per min.

Duration _____ hrs., _____ min.

WATER ZONES: from 712 to 732 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Subdivision

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: Yes 62 No _____

(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: _____

HOLE SIZE: 6 inches from 0 to 147 feet

3 7/8 inches from 147 to 735 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 2 inches from 712 to 732 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 4 inches from 0 to 147 feet

2 inches from 147 to 712 feet

2 inches from 732 to 735 feet

GROUTING: Method _____

Material _____ Depth _____ feet

PUMP: Type _____

Capacity 33 1/3 gal. per min

Depth of intake _____ feet

(LOG OF WELL) OVER

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

INTERVAL SHEET

C-143

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Well Repository No: 3060

Date rec'd: 5/11/70 ; processed 1/25/71

Sample Interval: from 0 to: 735'

PROPERTY: Leon Goddard (LucomPt.)

Number of samples: 63

COMPANY: Douglas & Dickinson

Total Depth: 735'

COUNTY: Northumberland (Lilian)

Oil or Gas: Water: Exploratory:

From - To	From - To	From - To	From - To
0 - 10	274 - 285	549 - 560	-
10 - 21	285 - 296	-	-
21 - 32	296 - 307	Missing	-
32 - 43	307 - 318	-	-
43 - 54	318 - 329	-	-
54 - 65	329 - 340	626 - 637	-
65 - 76	340 - 351	637 - 647	-
76 - 87	351 - 362	647 - 660	-
87 - 98	362 - 373	660 - 661	-
98 - 109	373 - 384	661 - 672	-
109 - 120	384 - 395	672 - 682	-
120 - 131	395 - 406	682 - 693	-
131 - 142	406 - 417	693 - 703	-
142 - 153	417 - 428	703 - 714	-
153 - 164	428 - 439	714 - 724	-
164 - 175	439 - 450	724 - 732	-
175 - 186	450 - 461	732 - 735	-
186 - 197	461 - 472	-	-
197 - 208	472 - 483	-	-
208 - 219	483 - 494	-	-
219 - 230	494 - 505	-	-
230 - 241	505 - 516	-	-
241 - 252	516 - 527	-	-
252 - 263	527 - 538	-	-
263 - 274	538 - 549	-	-

Unwashed only

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VDMR # 3060
WWCR # 143
TOTAL DEPTH: 735'

GEOLOGIC SUMMARY

<u>Depth (feet)</u>	<u>Rock Unit</u>	<u>Age</u>
0-21	Columbia Group	Pleistocene
21-131	Yorktown and St. Marys Formations	Late Miocene
131-439	Calvert Formation	Middle Miocene
439-560	Nanjemoy Formation	Middle Eocene
560-626	No samples	* ———
626-703	Mattaponi Formation	Paleocene-Early Cretaceous
703-735	Patuxent Formation	Early Cretaceous

* Middle Eocene-Paleocene (?) contact in unsampled 560-626' interval

Virginia Division of Mineral Resources
Robert H. Teifke - Geologist
January 29, 1971

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Late Miocene, acc. to State map, is St. Marys Formation.

Calvert basal sand: ~ 50' thick (384 to 439)

Nanjemoy basal lithotype #1 (coarse sand) ~ 38' thick (510 to 548)

Missing interval (560 to 626) is Mattaponi Formation (510 to 560 is basal Nanjemoy)

No *bright clay interval / top of Patuxent and glauconitic Paleocene.*