

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 4250
C# 413

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: Va. Dept. of Highways Mailing Address: Richmond, Virginia

TENANT: _____ Mailing Address: _____

DRILLER: Magette Mailing Address: Smithfield

WELL LOCATION: County Southampton Approx. _____ ^{feet}/_{miles} _____ (direction) of _____
Adams Grove 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: _____ DATE COMPLETED: 10-18-74

TYPE OF DRILL RIG USED: _____ TOTAL DEPTH 253 feet
completed at 175

WATER LEVEL: Stands 60.01 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method _____

Drawdown _____ feet

Rate _____ gal. per min.

Duration _____ hrs., _____ min.

HOLE SIZE: 4 inches from 0 to 253 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

CASE SIZE: 4 inches from 0 to 165 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other _____

GROUTING: Method _____

Material _____ Depth _____ feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: Yes _____ 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: Logs - E, gamma, caliper

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-4250
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Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Va. Dept. of Hwys/USGS Mailing Address: Franklin, VA/Richmond

TENANT: _____ Mailing Address: _____

DRILLER: R. L. Magette Mailing Address: Smithfield, VA

WELL LOCATION: County Southampton Approx. _____ feet miles _____ (direction) of _____ 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: _____ DATE COMPLETED: _____

TYPE OF DRILL RIG USED: _____ TOTAL DEPTH 253 feet

WATER LEVEL: Stands _____ feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method _____
Drawdown _____ feet
Rate _____ gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: _____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other _____

GROUTING: Method _____
Material _____ Depth _____ feet
PUMP: Type _____

WATER ANALYSIS AVAILABLE: Yes _____ No _____

Capacity _____ gal. per min.
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes _____ 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: _____

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

INTERVAL SHEET

Page 1 of 1

Well Repository No.: C-413
 W-4250

Date rec'd: 11/12/74 Date Processed: 9/5/75

Sample Interval: from 0 to: 253'

PROPERTY: Va. Dept. of Highways and U.S.
 Geological Survey

Number of samples: 26

COMPANY: R. L. Magette

Total Depth: 253'

COUNTY: Southampton (Adams Grove)

Oil or Gas: Water: XX Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90- <u>100</u>	-	-	-	-
100-110	-	-	-	-
110-120	-	-	-	-
120-130	-	-	-	-
130-140	-	-	-	-
140-150	-	-	-	-
150-160	-	-	-	-
160-170	-	-	-	-
170-180	-	-	-	-
180-190	-	-	-	-
190- <u>200</u>	-	-	-	-
200-210	-	-	-	-
210-220	-	-	-	-
220-230	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-
250-253	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Both washed and unwashed samples.

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

INTERVAL SHEET

Page 1 of 1

Date rec'd: 11-12-74 Date Processed: 9-5-75

PROPERTY: Va. Dept. of Highways and U.S.
 Geological Survey

COMPANY: R. L. Magette

COUNTY: Southampton (Adams Grove)

Well Repository No.: W- 4250
 C- 413

Sample Interval: from 0 to: 253

Number of samples: 26

Total Depth: 253'

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90-100	-	-	-	-
100-110	-	-	-	-
110-120	-	-	-	-
120-130	-	-	-	-
130-140	-	-	-	-
140-150	-	-	-	-
150-160	-	-	-	-
160-170	-	-	-	-
170-180	-	-	-	-
180-190	-	-	-	-
190-200	-	-	-	-
200-210	-	-	-	-
210-220	-	-	-	-
220-230	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-
250-253	-	-	-	-
-	-	-	-	-
- Both washed and unwashed samples.	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Owner: Va. Dept. Highways & G.S.
Driller: R. L. Magette
County: Southampton (Adams Grove)

W# 4250
C# 413
Total Depth: 253'
Quad: Adams Grove
Elev: 123

Depth
(feet) WELL LOG

0-10 Sand - grayish orange (10YR 7/4); sparse clay; fine to very coarse, subangular, moderate sorting; 5% black glauconite.

10-20 Sand - grayish orange (10YR 7/4); moderate clay; fine to very coarse, subangular, moderate sorting; 8% glauconite.

20-50 Clay - light olive gray (5Y 6/1); sparse sand; very fine to medium, subangular, poor sorting; 20-30 - orange (iron?) staining.

50-60 Clay - light olive gray (5Y 6/1); moderate sand; very fine to medium, subangular, well sorted.

60-70 Clay - light olive gray (5Y 6/1); moderate sand; very fine to coarse, subangular, moderate sorting; sparse shell fragments; some orange colored staining; wood fragments.

70-90 Sand - light olive gray (5Y 5/2); moderate clay; fine to granule, subangular, moderate sorting; 1% phosphatic fragments; garnet; 70-80 - 3% shell fragments; 80-90 - 5% shell fragments.

90-100 Sand - light olive gray (5Y 5/2); sparse clay; fine to granule, subangular, poorly sorted; 1% shell fragments; garnet.

100-120 Sand - light olive gray (5Y 6/1); sparse clay; medium to granule, subangular, moderate sorting; some shell bits; 110-120 - few shell bits.

120-130 Sand - light olive gray (5Y 6/1); coarse to granular, subangular, moderate sorting.

130-140 Sand - light olive gray (5Y 6/1); granules with some smaller grains, subangular, well sorted.

140-150 Sand - light olive gray (5Y 6/1); sparse clay in clasts; fine to granule, subangular, poor sorting; garnet.

150-160 Sand - light olive gray (5Y 6/1); fine to very coarse, some granules; subangular, moderate sorting; some mica; feldspar.

160-180 Sand - light olive gray (5Y 6/1); medium to granule, subangular, moderate sorting; garnet.

Owner: Va. Dept. Highways & G.S.

W# 4250

Depth
(feet)

180-190 Sand - light olive gray (5Y 6/1); coarse to granule, subangular, well sorted; garnet.

190-200 Sand - light olive gray (5Y 6/1); very sparse clay; fine to granule, subangular, poorly sorted; garnet.

200-210 Gravel - mixed colors; sparse clay; medium to pebble, subangular, subround, poor sorting; pyrite.

210-220 Gravel - moderate brown (10YR 5/4); moderate clay; medium to pebble, subangular to subround, poor sorting; feldspar.

220-240 Gravel - moderate brown (10YR 5/4); abundant clay; pebbles with some smaller grains, subangular to subround, poorly sorted; feldspar; 230-240 - few shell fragments.

240-250 Gravel - moderate brown (10YR 5/4); abundant clay; medium to granules (large) with some pebbles, subangular to subround, poorly sorted; some red and green clay clasts.

250-253 Gravel - mixed - pebbles, subangular to subround, poor sorting; red and green clay clasts; some feldspar; garnet.

Logged by: J. K. Polzin
July 23, 1980

Owner: Adams Grove Obs. Well
Driller: Magette '74
County: Southampton

W# 4250
C# 413
Total Depth: 253'
Quad: Adams Grove
Elev: 123'

Depth
(feet)

WELL LOG

- 0-03 Clay - Yellow-orange (10yr 5/4); slight silt, ~~and~~ sand; fine to very coarse, subangular, some granules, poor sorting; quartz; 1% very fine black glauconite; some shell fragments; wood.
- 3-10 Clay - As Above.
- 10-20 Clay - Grayish-orange (10yr 7/4); clay in clasts, some white, red, orange, yellow; slight sand; fine to very coarse, subangular, some granules, poor sorting; quartz; 7% glauconite; shell fragments.
- 20-30 Clay - Light olive gray (5y 6/1) and yellow-orange clay in clasts; slight silt; very sparse sand; occasional grains of sand, as above.
- 30-40 Clay - Very light olive gray (5y 7/1); clay in clasts; slight silt; very sparse sand; occasional grains as above.
- 40-50 Clay - As Above.
- 50-60 Clay - As Above.
- 60-70 Clay - Light olive gray (5y 6/1); As Above, except: sparse sand; shell fragments.
- 70-80 Clay - Olive gray (5y 5/1); abundant clay in clasts; sparse silt; sparse sand; fine to medium, subangular, some granules, moderate sorting; quartz; few glauconite; 20% pelecypod (Mactra) and gastropod fragments, Dentalium, Turritella, coral; garnet chips.
- 80-90 Clay - As Above, except: smaller fragments of shells, Epitonium, Isodont oyster; fine to very coarse; garnet chips; feldspar.
- 90-100 Sand - Light olive gray (5y 6/1); sparse clay in clasts; sand - fine to very coarse, subangular, some granules, poor sorting; quartz; rare glauconite; common shell fragments.
- 100-110 Sand - As Above, except: medium to granule, moderate sorting. No glauconite.
- 110-120 Sand - As Above.
- 120-130 Sand - As Above, except: very sparse sand in minute clasts; no shell fragments.

Owner:
Page 2

Adams Grove Obs. Well

W# 4250
C# 413

Depth
(feet)

130-140 Gravel - As Above, except: sparse clay in clasts; very coarse to pebble, becoming all pebbles at 140' level.

140-150 Sand - Light olive gray (5y 6/1); very sparse clay clasts; sparse silt; coarse to granule, subangular, moderate sorting; quartz; sparse shell fragments.

150-160 Sand - As Above, except: coarse to granule; garnet chips.

160-170 Sand - As Above, except: medium to granule.

170-180 Sand - As Above, except: coarse to very coarse, moderately well sorted; 1% garnet chips.

180-190 Gravel - As Above, except: all granule size; feldspar.

190-200 Gravel - As Above, except: sparse clay in red, yellow, gray clasts; moderate sand of medium to coarse grained size; feldspar.

200-210 Gravel - Grayish orange (10yr 7/4); abundant clay, some in clasts; moderate silt; some sand as above.

210-220 Clay - Grayish orange (10yr 7/4); sparse silt; sparse sand (gravel); medium to granule, subangular, poor sorting; quartz.

220-230 Clay - As Above.

230-240 Clay - As Above, except: very sparse sand; some pebbles; clay varies in color - white, yellow, orange, brown.

240-250 Clay - As Above.

250-253 Gravel - Salt and Pepper; 50% gravel of pink, gray, white; quartz; 50% sand, medium to coarse; siltstone fragments; feldspar; iron; shell fragments; basement fragments.

251 Basement - Dusky yellow green (5y 5/2);

Logged by: J. K. Polzin