

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 L. Lundie, Inc. Mailing Address: 109 Lundie Lane
Petersburg, VA. 23803

TENANT: Wildwood Farms #2 Mailing Address: 16815 Happy Hill Rd.
Colonial Heights, VA. 23834

DRILLER: J. J. Mitchell, III Mailing Address: Colonial Heights, VA. 23834

WELL LOCATION: County Prince George Approx. 2.2 ^{Dist}miles S. S/E (direction) of

New Bohemia in Rives Dist. on E. side of intersection of Rts. 661 & 649
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: February 1976 DATE COMPLETED: May 1976

TYPE OF DRILL RIG USED: Combination cable & rotary TOTAL DEPTH 223 feet

WATER LEVEL: Stands 37 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped
Drawdown 61 feet
Rate 137 gal. per min.
Duration 48 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 50 feet
7 inches from 50 to 140 feet
6 inches from 140 to 223 feet
SCREEN SIZE: 5 inches from 195 to 215 feet

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

CASE SIZE: 6 inches from +1 to 195 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth 50 feet

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

PUMP: Type _____
Capacity _____ gal. per min
Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes No _____
DRILL CUTTINGS SAVED: 22 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: Backfilled w/gravel to 215'

LOG

FURNISHED BY: _____ DATE: _____

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0		Top soil - tan dirt	
10		Orange dirt	
20		Ditto	
30		Gray dirt	
40		Gray dirt & shells	
50	80	Gray dirt & shells	
90		Gray dirt	
100		Gray dirt	
110		Gray dirt and shells	
120		Gray dirt	
130		Light gray sand	
140		Gray mud	
150		Dark gray mud	
160	180	Gray dirt	
190	210	Gray sand	
220		Brown mud	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No: W-4591
C- 195

Date rec'd: 7/16/76 Date Processed: 2/18/77

Sample Interval: from:0 to: 220'

PROPERTY: Charles L. Lundie, Inc.
(Wildwood Farms #2)

Number of samples: 22

COMPANY: Mitchell P & W Co.

Total Depth: 223'

COUNTY: Prince George (New Bohemia)

Oil or Gas: Water & Exploratory:

From-To	From-To	From-To	From-To
- 0	-	-	-
- 10	-	-	-
- 20	-	-	-
- 30	-	-	-
- 40	-	-	-
- 50	-	-	-
- 60	-	-	-
- 70	-	-	-
- 80	-	-	-
- 90	-	-	-
- 100	-	-	-
- 110	-	-	-
- 120	-	-	-
- 130	-	-	-
- 140	-	-	-
- 150	-	-	-
- 160	-	-	-
- 170	-	-	-
- 180	-	-	-
- 190	-	-	-
- 200	-	-	-
- 210	-	-	-
- 220	-	-	-
-	-	-	-
-	-	-	-

Both washed and unwashed samples.

OWNER: Charles L. Lundie, Inc.
(Wildwood Farms #2)
DRILLER: Mitchell P & W Co.
COUNTY: Prince George (New Bohemia)

W#: 4591
C#: 195
TOTAL DEPTH: 220'

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — dark yellowish orange; slight staining; moderate clay; medium to coarse grained, some fine grains; subangular to subrounded; moderately sorted; quartz; some feldspar; some opaques.
- 10-20 Sand — dark yellowish orange; abundant clay-dark yellowish orange, light gray; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; some feldspar; few opaques; muscovite.
- 20-30 Clay — yellowish gray, dark yellowish orange, light brown; slightly sandy; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; few grains of feldspar; few shell fragments; few grains of glauconite.
- 30-40 Clay — light olive gray, light brown, dark yellowish orange, black; 20% shell fragments; some quartz.
- 40-50 Clay — light olive gray; moderate sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 15% shell fragments; some black phosphatic material; few spines.
- 50-60 Shell hash — olive light gray; moderate clay; abundant sand; fine to medium grained; subangular to subrounded; moderately well sorted; 60% shell fragments; quartz; some spines; few black phosphatic fragments; forams (inc. Quinqueloculina).
- 60-70 Clay — light olive gray; abundant sand; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; 25% shell fragments; some spines; some black phosphatic material; forams (inc. Quinqueloculina).
- 70-80 Sand — light olive gray; slightly clayey; very coarse grained, 5% granules; subrounded; well sorted; quartz; feldspar; 5% shell fragments.
- 80-90 Sand — light olive gray; slightly clayey; coarse to very coarse grained, some granules, few pebbles; subrounded; moderately well sorted; quartz; feldspar; 3% shell fragments.
- 90-100 Sand — light olive gray; slightly clayey; coarse grained to granular, few pebbles; subrounded; moderately well sorted; quartz; feldspar; 2% shell fragments.

Depth
(feet)

- 100-110 Sand — light olive gray; moderate clay-light olive gray, light brown; coarse to very coarse grained, some granules; subrounded; moderately well sorted; quartz; feldspar; 7% shell fragments; few black phosphatic fragments; few grains of glauconite.
- 110-120 Sand — light olive gray; slightly clayey; coarse to very coarse grained, 5% granules, few pebbles; subrounded; moderately sorted; quartz; feldspar; 3% shell fragments.
- 120-130 Sand — white; slightly clayey; coarse to very coarse grained, some granules; subrounded; moderately well sorted; quartz; feldspar; few grains of glauconite.
- 130-140 Clay — olive light gray; slightly sandy; coarse grained to granular; subrounded; moderately sorted; quartz; feldspar; some muscovite; pyrite.
- 140-150 Clay — medium gray; muscovite; few quartz grains; feldspar.
- 150-160 Sand — light olive gray; slightly clayey; coarse to very coarse grained, few granules; subrounded; moderately well sorted; quartz; feldspar.
- 160-170 Clay and sand — olive light gray; abundant clay; moderate sand; coarse grained to granular; subrounded, moderately well sorted; quartz; feldspar.
- 170-180 Clay — light olive gray; abundant sand; coarse grained to granular; subrounded; moderately sorted; quartz; feldspar; muscovite.
- 180-190 Sand — off white; slightly clayey; coarse to very coarse grained, few granules; subrounded; moderately well sorted; quartz; feldspar.
- 190-200 As above except some granules; few shell fragments.
- 200-210 Sand — off white; slightly clayey; granular, some very coarse grains; subrounded; well sorted; quartz; feldspar; some shell fragments; few grains of glauconite.
- 210-220 Sand and clay — dark reddish brown; moderate clay; abundant sand; very coarse grained to granular, few pebbles; subrounded; moderately well sorted; quartz; feldspar; some muscovite.

OWNER: Charles L. Lundie, Inc.
(Wildwood Farms #2)

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W#: 4591

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-20	20	Moorings "Unit"	Pleistocene
20-70	50	Calvert Formation	Miocene-Eocene
70-210	140	Patuxent Formation	Cretaceous
210-220	10	Newark Group	Triassic

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
August 25, 1978