

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B- 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

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

TENANT: Wildwood Farms #1 Mailing Address: _____

DRILLER: J. J. Mitchell, Jr. Mailing Address: 16816 Happy Hill Rd.
Colonial Heights, VA. 23834

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

New Bohemia in Rives Dist. E. side and _____ feet miles _____ (direction) of _____

of intersection of Rts. 661 and 649. Well 65' E of pavement Rt. 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: October 1975 DATE COMPLETED: November 1975

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 215 feet

WATER LEVEL: Stands 45 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped
Drawdown 131 feet
Rate 133 gal. per min.
Duration 24 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 50 feet
6 inches from 50 to 215 feet
_____ inches from _____ to _____ 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 0 to 187 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 Subdivision

GROUTING: Method _____
Material _____ Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

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

DRILL CUTTINGS SAVED: Yes X 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: _____

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 | 10 | Orangeish dirt | |
| 10 | 20 | Orange dirt | |
| 20 | 30 | Ditto | |
| 30 | 40 | Gray mud | |
| 40 | 50 | Ditto | |
| 50 | 60 | Gray dirt-shell fragments | |
| 60 | 70 | Ditto | |
| 70 | 80 | Gray dirt & pebbles | |
| 80 | 90 | Gray sand & gravel | |
| 90 | 215 | Ditto | |

(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- 4531
 C- 190

Date rec'd: 3/12/76 Date Processed: 12/13/76 Sample Interval: from:0 to: 215

PROPERTY: Charlie L. Lundie, Inc.
 (Wildwood Farms)

Number of samples: 21

COMPANY: Mtichell's Well & Pump

Total Depth: 215'

COUNTY: Prince George (N. Bohemia)

Oil or Gas: Water: XExploratory:

| 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- 10 | - | - | - |
| 110- 20 | - | - | - |
| 120- 30 | - | - | - |
| 130- 40 | - | - | - |
| 140- 50 | - | - | - |
| 150- 60 | - | - | - |
| 160- 70 | - | - | - |
| 170- 80 | - | - | - |
| 180- 90 | - | - | - |
| 190-200 | - | - | - |
| 200- 15 | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

Unwashed only

OWNER: Charlie L. Lundie, Inc. (Wildwood Farms) W#: 4531
DRILLER: Mitchell's W. & P. Co. C#: 190
COUNTY: Prince George TOTAL DEPTH: 215'
(N. Bohemia)

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — dark grayish orange; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; few opaques.
- 10-20 Sand — dark yellowish orange; moderate clay; medium grained to granular; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.
- 20-30 Sand — dark yellowish orange; abundant clay; silty; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; feldspar.
- 30-40 Clay — light gray; few grains of quartz; few flakes of muscovite.
- 40-50 Clay — light gray, dark yellowish orange; slightly sandy; very fine to fine grained; subangular to subrounded; moderately well sorted; quartz.
- 50-60 Sand — light olive gray; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 15% shell fragments; some black phosphatic fragments; few spines.
- 60-70 Clay — light gray; moderate sand; medium grained; subangular to subrounded; well sorted; quartz; 10% reworked shell fragments; few black phosphatic fragments; few spines; forams rare (inc. Amphistegina); ostracode.
- 70-80 Sand and gravel — medium gray; moderate clay; coarse grained to gravel; subrounded; moderately sorted; quartz; some feldspar; some glauconite.
- 80-90 Sand — white; slightly clayey; coarse grained to granular, some medium grains, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of garnet.
- 90-100 As above except some pebbles.
- 100-110 As above except 7% pebbles.
- 110-120 Sand — white; coarse grained to granular, 10% pebbles; subrounded; moderately sorted; quartz; feldspar; few grains of garnet.
- 120-130 Sand — white; coarse to very coarse grained, some medium grains, 10% granules, some pebbles; subrounded; moderately sorted; quartz; feldspar.

OWNER: Charlie L. Lundie, Inc. (Wildwood Farms) -2- W#: 4531

Depth
(feet)

- 130-140 As 120-130' except no pebbles.
- 140-150 Sand — white; very coarse grained to granular (35%), 10% pebbles; subrounded; moderately well sorted; quartz; feldspar; some garnet.
- 150-160 As above except few grains of garnet.
- 160-170 As above except 40% granules, 20% pebbles.
- 170-180 Sand — white; slightly clayey; coarse grained to granular, some medium grains, 10% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of garnet.
- 180-190 Sand — white, medium light gray; very coarse grained to granular, 15% pebbles; subrounded; moderately sorted; quartz; feldspar.
- 190-200 Sand — white; coarse grained to granular, some pebbles; subrounded; moderately sorted; quartz; feldspar.
- 200-215 Sand — white; coarse to very coarse grained, 10% granules, some pebbles; subrounded; moderately well sorted; quartz; feldspar; few grains of garnet.

ALL samples are unwashed

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

| <u>Depth</u> <u>(feet)</u> | <u>Thickness</u> <u>(feet)</u> | <u>Rock Unit</u> | <u>Time Rock Unit</u> |
|-------------------------------|-----------------------------------|--------------------|-----------------------|
| 0-30 | 30 | Mooring "Unit" | Pleistocene |
| 30-70 | 40 | Calvert Formation | Miocene-Eocene |
| 70-215 | 45+ | Patuxent Formation | Cretaceous |

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