

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: Mr. John McDonald Mailing Address: P. O. Box 1088 Petersburg, VA. 23803
TENANT: Indian Hills Motel Mailing Address: P. O. Box 1088 Petersburg, VA. 23803
DRILLER: Mitchell's Well & Pump Co. Mailing Address: R. F. D. 1, Box 110 Col. Hgts., Va. 23834
WELL LOCATION: County Chesterfield Approx. 1.5 feet 0.5 miles (direction) of Exit 5 off intersection 95 @ Walthal Lodge Interchange and 1.5 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: June 1971 DATE COMPLETED: July 1971

TYPE OF DRILL RIG USED: Cable Tool TOTAL DEPTH 237 feet

WATER LEVEL: Stands 98 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped
took no air when tested with 150' of pump
Draw down _____ feet pipe
Rate 20 gal. per min.
Duration 6 hrs., _____ min.

HOLE SIZE: 8 inches from 0 to 50 feet
4 1/4 inches from 50 to 237 feet
_____ inches from _____ to _____ feet

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

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

WATER: Color Clear Taste Good
Odor None Temp. _____ °F

CASE SIZE: 4 1/4 inches from 0 to 137'4" feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pressure grouted*
Material Cement Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes X No _____

PUMP: Type Submersible*
Capacity 15 gal per min
Depth of intake 195 feet

DRILL CUTTINGS SAVED: 24 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: * By Atlantic Pump & Equipment Co., Inc.

LOG

FURNISHED BY: Mitchell's Well & Pump Company

DATE: July 6, 1971

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	Gray mud	
10	20	Red mud	
20	30	Red mud some gravel	
30	40	Mud & clay	
40	50	Mud and sand	
50	60	Mud & sand	
60	70	Ditto	
70	80	Ditto	
80	90	Ditto	
90	100	Ditto	
100	110	Ditto	
110	120	Mud & marl	
120	130	Soft & hard	
130	140	Rock	
140	150	Ditto	
150	160	Ditto	
160	170	Ditto	
170	180	Ditto	
180	190	Ditto	
190	200	Ditto	
200	210	Ditto	
210	220	Ditto	
220	230	Ditto	
230	237	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#: 3250

Date rec'd: 7/20/71 Date Processed: 9/14/71

C#: 197
Sample Interval: from: 0 to: 237'

PROPERTY: Mr. John McDonald
(Indian Hills Motel)

Number of samples: 24

COMPANY: Mitchells Well & Pump Co.

Total Depth: 237'

COUNTY: Chesterfield (Walthal)

Oil or Gas: Water: Exploratory:

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 - 237	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: John McDonald
(Indian Hills Motel)
DRILLER: Mitchell's W & P
COUNTY: Chesterfield (Walthal)

W#: 3250
C#: 197
TOTAL DEPTH: 237'
QUAD.: Chester

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand — yellowish gray; moderate clay; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; some opaques; few grains of glauconite.
- 10-20 Sand — grayish orange; slightly clayey; medium to coarse grained, some fine grains, some granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; some muscovite; few opaques.
- 20-30 As above.
- 30-40 Sand — yellowish gray; slightly clayey; fine to coarse grained, 7% granules; subangular to subrounded; poorly sorted; quartz; feldspar; 5% glauconite; few flakes of muscovite.
- 40-50 Sand — dusky yellow green; some heavily stained grains; slightly clayey; fine to medium grained, some coarse grains, some granules, few pebbles; subangular to rounded; moderately sorted; quartz; 15% glauconite; some feldspar; few flakes of muscovite.
- 50-60 Granules — white; slightly clayey; some very coarse grains, 25% pebbles; angular to subangular; moderately sorted; quartz; feldspar; few grains of glauconite.
- 60-70 As above except 15% pebbles.
- 70-80 Sand — greenish gray; moderate clay; medium grained to granular, 7% pebbles; angular to subrounded; poorly sorted; quartz; feldspar; 5% glauconite; some muscovite.
- 80-90 As above plus few grains of garnet.
- 90-100 As above except 10% pebbles; 7% glauconite.
- 100-110 Sand — greenish gray; moderate clay; medium to coarse grained, 15% granules, 3% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 10% glauconite; few flakes of muscovite.
- 110-120 Granite (heavily weathered) — greenish gray; moderate clay; quartz; feldspar; 7% weathered biotite; few flakes of muscovite.

OWNER: John McDonald
(Indian Hills Motel)

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W#: 3250

Depth
(feet)

- 120-130 Sand — light olive gray; medium to very coarse grained, few granules; subangular to rounded; moderately sorted; quartz; feldspar; 15% glauconite; few grains of garnet (note: This sample may be out of place).
- 130-140 Granite (slightly weathered) — white; quartz; feldspar; 5% muscovite; some biotite; few grains of glauconite (probably contamination).
- 140-150 Granite (slightly weathered) — salt and pepper; quartz; feldspar, 15% biotite; some muscovite.
- 150-160 As above plus some very rotten feldspar.
- 160-170 Granite (weathered) — salt and pepper; quartz; feldspar (some heavily altered); 20% biotite.
- 170-180 As above except 15% biotite; few flakes of muscovite.
- 180-190 As above.
- 190-200 As above except 25% biotite.
- 200-210 As above except 20% biotite.
- 210-220 As above except 15% biotite.
- 220-230 As above except 25% biotite.
- 230-237 As above except 20% biotite.

Logged by: Michael T. Currie