

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: John W. Thomas Jr. Mailing Address: Nu-Way Builders Inc.
200 Hotchkiss Street
TENANT: Twin Cedars Subdivision Mailing Address: Fredericksburg, VA 22401
DRILLER: Douglas Drilling Co., Inc. Mailing Address: Box 498, Warsaw, VA 22572
WELL LOCATION: County Caroline Approx. 9/10 ~~miles~~ ^{miles} West (direction) of

Route 2 on Route 606 and 175 ~~feet~~ ^{feet} North (direction) of Route 606

(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: 17 Nov. 1972

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 317 feet

WATER LEVEL: Stands 108 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air/Test Pump
Drawdown 32/na feet
Rate 40/na gal. per min.
Duration 3 hrs., _____ min. /na

HOLE SIZE: 6 inches from 0 to 273 feet
3-7/8 inches from 273 to 317 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 273 to 317 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 none
Odor none Temp. - °F

CASE SIZE: 4 inches from 0 to 273 feet
WEIGHT:
Standard _____ inches from _____ to _____ feet
Schedule 40
Galvanized _____ inches from _____ to _____ feet

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

GROUTING: Method -
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No X
(30)
DRILL CUTTINGS SAVED: Yes XX No _____

PUMP: Type submersible
Capacity 30 gal per min
Depth of intake 189 feet

(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: CONSTRUCTION: This is a Class II Well.

Drill Cutting Samples Sent to Division of Mineral Resources 12/72,

picked up 3/20/73.

LOG

FURNISHED BY: Douglas Drilling Co., Inc.

DATE: 11/17/72

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0'	approx	21' fine sand with some clay	
21	approx	42 coarse sand with some clay	
42	approx	280 fine sand with clay binder	
280	approx	317 fine sand with clay binder - open hole, water	
		<p>DRILL CUTTING SAMPLES SENT TO DIVISION OF MINERAL RESOURCES 12/72</p> <p>picked up 3/20/73 (RHD)</p>	

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

INTERVAL SHEET

Page 1 of 1 Well Repository No.: C-103 W- 3831
 Date rec'd: 3-20-73 Date Processed: 1-4-74 Sample Interval: from 0 to: 31
 PROPERTY: John W. Thomas, Jr. Number of samples: 30
 (Twin Cedars)
 COMPANY: Douglas Drilling Co. Total Depth: 317'
 COUNTY: Caroline (Locks Corner) Oil or Gas: Water: XX Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	-	-	-	-
10-21	-	-	-	-
21-31	-	-	-	-
31-42	-	-	-	-
42-52	-	-	-	-
52-63	-	-	-	-
63-73	-	-	-	-
73-84	-	-	-	-
84-94	-	-	-	-
94-105	-	-	-	-
105-115	-	-	-	-
115-126	-	-	-	-
126-136	-	-	-	-
136-148	-	-	-	-
148-158	-	-	-	-
158-169	-	-	-	-
169-179	-	-	-	-
179-190	-	-	-	-
190-200	-	-	-	-
200-211	-	-	-	-
211-221	-	-	-	-
221-232	-	-	-	-
232-242	-	-	-	-
242-253	-	-	-	-
253-263	-	-	-	-
263-274	-	-	-	-
274-284	-	-	-	-
284-296	-	-	-	-
296-306	-	-	-	-
306-317	-	-	-	-

All intervals have both washed and unwashed samples.

Owner: John W. Thomas, Jr. (Twin Cedars)
Driller: Douglas Drilling Co.
County: Caroline (Locks Corner)

W# 3831
C# 103
Total Depth: 317'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10	Sand - light dusky yellow (5Y 7/4); coarse to very coarse, subangular; some granules; moderate sorting; quartz; 10% medium to coarse sized feldspar grains; 5% rose quartz; rare glauconite; rare clay pellets.
10-21	Sand - as above, except: medium to granule; poor sorting; 25% rose quartz.
21-31	Sand - as above, except: yellow and brown; salt and pepper; coarse to granule; more larger grains; phosphatic grains; plant debris.
31-42	Sand - as above.
42-52	Gravel, Sandy - salt and pepper; abundant clay-coated grains; fine grained, few larger grains; quartz, sand; well sorted; 15% pebbles.
52-63	Gravel, Sandy - as above, except: clay-coated sand in clasts, medium to very coarse; some pebbles; feldspar.
63-74	Clay - light olive gray (5Y 6/1); abundant sand - as above, except: medium and coarse.
73-84	Clay - as above.
84-94	Clay - as above.
94-105	Clay - as above, except: large gray quartz pebbles; wood bits.
105-115	Clay - as above.
115-126	Clay - as above.
126-136	Sand - as above, except: clay coated fine, subangular; well sorted quartz sand; some very coarse to granule; few pebbles; some glauconite.
136-148	Sand - as above, except: pyrite nodules, garnet.
148-158	Sand - salt and pepper; 50% shell fragments; moderate fine clay; fine grained, well sorted; quartz sand and 45% fine, green glauconite; <u>Turritella</u>

Owner: John W. Thomas, Jr. (Twin Cedars)

W# 3831

Depth
(feet)

158-169 Sand - as above.

169-179 Sand - as above, except: iron stains on clay, sand and shells; sand, fine to granule, some pebbles; poor sorting; blue quartz.

179-190 Sand - as above, except: 1% shell fragments.

190-200 Shell Hash - salt and pepper; abundant clay in grains and small clasts; fine to granule; moderate sorting; quartz; 25%+ glauconite; 35% shell fragments; foram - Robulus.

200-211 Shell Hash - as above.

211-221 Clay - moderate brown (5YR 4/4); abundant fine clay; abundant fine to coarse; moderately sorted; quartz; sand; 10% glauconite; shell fragment; mica.

221-232 Clay - as above, except: some granules, pebbles.

232-242 Clay, Sandy - yellow gray (5Y 7/1); tinged with moderate brown; abundant sand as above; more medium to coarse; some glauconite.

242-253 Clay, Sandy - as above, except: more clasts of moderate brown color.

253-263 Sand - dark yellowish brown (10YR 4/2); sparse clay grains of various colors; medium to granule, subangular; moderate sorted; quartz; 7% glauconite; feldspar; mica; foram - Robulus.

263-274 Sand - as above, except: moderate clay.

274-284 Sand - moderate yellow gray (5Y 7/2); sparse clay; medium to very coarse; subangular; moderate sorting; quartz; 2% glauconite; garnet.

284-296 Sand - dark yellowish brown (10YR 4/2); as above, except: few pebbles.

296-306 Sand - moderate yellow gray (5Y 7/2); as at 274', except: moderate clay.

306-317 Sand - as above, except: medium to granule.

Logged by: J. K. Polzin
June 16, 1980