

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667  
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: H. L. Gibson Mailing Address: Box 24, Fredericksburg, VA 22401

TENANT: Pinedale Forest Subdivision Mailing Address: same

DRILLER: Douglas Drilling Co., Inc. Mailing Address: Box 498, Warsaw, VA 22572

WELL LOCATION: County Spotsylvania Approx. 2 ~~mi~~ <sup>mi</sup> South (direction) of  
intersection Rts. 17 & 609 and 2/10 ~~mi~~ <sup>mi</sup> East (direction) of Rt. 609

(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: 27 June 1973

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 298 feet

WATER LEVEL: Stands 95 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Air

Drawdown 65 feet

Rate 60 gal. per min.

Duration 4 hrs., \_\_\_\_\_ min.

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet

from 270 to 280 feet

from 285 to 295 feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry XX Other \_\_\_\_\_

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No XX

DRILL CUTTINGS SAVED: Yes XX 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: This is a Class II Well of materials and construction as per specifications of Virginia Health Dept. publication "Drilled Wells for Public Water Supply" dated 9 Feb. 1970.

Copies of this report sent to SWCB and Owner 10/14/73. Drill Cutting Samples awaiting

normal SWCB pickup.

HOLE SIZE: 6 inches from 0 to 270 feet

3-7/8 inches from 270 to 298 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

#2 2 inches from 270 to 280 feet

#0 2 inches from 285 to 295 feet

CASE SIZE: 4 inches from 0 to 270 feet

WEIGHT: Standard 2 inches from 280 to 285 feet

Schedule 40 Galv. 2 inches from 295 to 298 feet

GROUTING: Method \_\_\_\_\_

Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

PUMP: Type submersible

Capacity \_\_\_\_\_ gal. per min

Depth of intake 147 feet

# 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	20	Fine sand with clay binder and gravel	
20	115	Fine sand with clay binder	
115	190	Fine sand with clay binder and some shell	
190	265	Fine sand with clay binder	
265	285	Coarse and fine sands	Screen, water
285	295	Gravel, coarse and fine sands	Screen, water
295	298	Fine sand with clay binder	
		Drill Cutting Samples Awaiting Normal Regular Pickup by State at our office, or may be picked up by Owner. Copy of this report sent to SWCB and Owner 10/14/73	

(Use additional forms if necessary)

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

INTERVAL SHEET

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C-479  
 Well Repository No.: W- 4068

Date rec'd: 1-17-74 Date Processed:

Sample Interval: from 0 to: 298'

PROPERTY: H. L. Gibson  
 (Pinedale Forest)

Number of samples: 31

COMPANY: Douglas Drilling Co.

Total Depth: 298'

COUNTY: Spotsylvania (New Port)

Oil or Gas: Water:XX Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	295-298	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-61	-	-	-	-
61-71	-	-	-	-
71-81	-	-	-	-
81-91	-	-	-	-
91-101	-	-	-	-
101-111	-	-	-	-
111-122	-	-	-	-
122-132	-	-	-	-
132-142	-	-	-	-
142-152	-	-	-	-
152-162	-	-	-	-
162-172	-	-	-	-
172-183	-	-	-	-
183-193	-	-	-	-
193-203	-	-	-	-
203-213	-	-	-	-
213-223	-	-	-	-
223-233	-	-	-	-
233-244	-	-	-	-
244-254	-	-	-	-
254-264	-	-	-	-
264-274	-	-	-	-
274-282	-	-	-	-
282-284	-	-	-	-
284-295	-	-	-	-

Both washed and unwashed samples

Owner: H. L. Gibson (Pinedale Forest)  
Driller: Douglas Drilling  
County: Spotsylvania (New Port)

W# 4068  
C# 479  
Total Depth: 298'  
Quad:  
Elev:

Depth  
(feet)

WELL LOG

0-20 Gravel - grayish orange (10YR 7/4); fine to pebble; subangular to subrounded; sorting poor; rare phosphatic grains; rose and blue quartz grains present.

20-30 Sand, Gravelly - dark yellowish orange (10YR 6/6); very fine to fine with minor granules; subrounded; moderately well sorted.

30-40 No Sample.

40-61 Clay - light olive gray (5Y 6/1); abundant sand, very fine to granule, subrounded, poor sorting.

61-81 Clay - light olive gray (5Y 6/1); moderate sand, very fine to granule, subrounded, poor sorting; fine clay pellets, 71-81.

81-91 Clay - light olive gray (5Y 6/1); sparse sand, very fine to granule, subrounded, poor sorting.

91-101 Clay - light olive gray (5Y 6/1); sparse sand, fine to very coarse, subrounded, poor sorting.

101-111 Clay - light olive gray (5Y 6/1); sparse sand, very fine to very coarse, subrounded, poor sorting; rare pebbles; rare lignite.

111-122 Clay - light olive gray (5Y 5/2); abundant sand, very fine to very coarse, subrounded, moderate sorting; 5% shell fragments.

122-132 Sand - light olive gray (5Y 5/2); very fine to medium, subrounded, moderately well sorted; sparse clay; 8% glauconite; 2% shell fragments, Turritella; mica.

132-142 Sand - light olive gray (5Y 5/2); very fine to medium, rare pebbles, subangular, moderately well sorted; sparse clay; 1% shell fragments; phosphate nodule; minor clay clasts; 10% glauconite.

142-172 Coquina - light olive gray (5Y 5/2); 50% shell fragments - Ostre, Turritella; poor sorting; abundant sand, very fine to granule, subangular to rounded, moderate sorting; 10% glauconite; sparse clay; shark tooth and phosphate nodule - 152-162.

Owner: H. L. Gibson (Pinedale Forest)

W# 4068

Depth  
(feet)

- 172-183 Gravel, Sandy - light olive gray (5Y 5/2); very fine to pebble; subangular to rounded; poor sorting; 5% glauconite; 3% shell fragments; very rare clay clasts.
- 183-193 Clay - moderate brown (5YR 4/4); sparse sand, fine to pebble, subangular, poor sorting; 1 to 2% shell fragments.
- 193-203 Clay, Gravelly - moderate brown (5YR 4/4); quartz gravel to 30mm, rounded; moderate sand, fine to granule, subangular; poor sorting.
- 203-213 Gravel, Clayey - moderate yellowish brown (10YR 5/4); clay in multicolored clasts (gray, red, buff); moderate sand, fine to granule, subangular to rounded, poor sorting; Turritella rare.
- 213-223 Clay - light olive gray (10YR 6/4); abundant sand fine to granule, rare pebbles, subangular to rounded, poor sorting, minor blue quartz grains.
- 223-233 Sand - yellowish gray (5Y 7/2); fine to granule, rare pebbles, subangular to rounded, poor sorting, minor rose quartz and glauconite; abundant clay.
- 233-244 Clay, Gravelly - moderate brown (5YR 4/4); gravel - pebble size, subangular to rounded, sorting poor; 1% shell fragment.
- 244-264 Sand - yellowish gray (5Y 7/2); medium to granule; subangular, poor sorting, 1% glauconite; rare rose quartz; abundant clay.
- 264-282 Sand - yellowish gray (5Y 7/2); medium to granule; subangular, poor sorting, rare rose quartz, 3% glauconite, feldspar, iron oxide; sparse to moderate clay; rare shell fragments.
- 282-284 Sand - yellowish gray (5Y 7/2); medium to granule, subangular, poor sorting, rare glauconite; moderate clay.
- 284-298 Sand - yellowish gray (5Y 7/2); medium to granule, subangular, poor sorting; abundant clay in large clasts; mica at 284'-295'; wood fragment, 295'-298'.

Logged by: J. K. Polzin  
July 18, 1980