

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W- 5935
C- 204

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: James R. Byrd Mailing Address: Warsaw, VA. 22572

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Westmoreland (Monroe Hall) 5,790 feet S.E. (direction) of
intersection 205 & 628 Monroe Hall and 2,800 feet N.E. (direction) of Int. 628 & 633.

(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: March 17, 1989

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 441 feet

WATER LEVEL: Stands 29 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Airlift

Drawdown 75 feet

Rate 50 gal. per min.

Duration 2 hrs., _____ min.

WATER ZONES: from 402 to 432 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Subdivision

WATER ANALYSIS AVAILABLE: Yes _____ No X

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: This is a Class II Type A Well of materials and construction as per specifications of Virginia Health Dept. publication "Drilled Wells for Public Water Supply" data Feb. 9, 1970

6-15-79 Copies of this report sent to VSWCR and owner. Drill cuttings await normal pickup at our office.

HOLE SIZE: 6 1/2 inches from 0 to 210' feet

3 7/8 inches from 210 to 402' feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

#20 G. Scrn. 2 402 432
_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 4 inches from 0 to 210 feet

Standard 2 inches from 210 to 402 feet

Schedule 40 galv. 2 inches from 432 to 441 feet
T&C

GROUTING: Method None

Material _____ Depth _____ feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ 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	10	light brown	fine sand with light grey clay.
10	50	brown	fine, medium and coarse sand with medium and coarse gravel.
50	55	brown	fine sand.
55	84	brown	fine sand with grey sandy clay.
84	99	grey	fine sand becoming mixed with sandy grey clay.
109	147	black	fine sand mixed with sandy grey clay.
147+	197	grey	fine sand with hard grey clay.
197	217	grey	fine sand with grey and red brown clay mixed with some creamy shell.
217	332	black	fine sand with some creamy shell.
332	336	black	fine sand and coarse grey sand with sandy grey clay.
336	359	grey/black	fine sand mixed with brown and light grey clay.
359	372	grey/black	fine, medium and coarse sand.
372	388	grey	fine sand mixed with sandy grey clay.
388	399	black	fine sand with fine and medium grey sand mixed with brown & Lt. grey clay.
399	425	grey	fine, medium & coarse sand.
425	439	grey	fine, medium and coarse grey sand with some grey clay.
439	441	grey	fine sand with hard grey clay.
99	109	grey	fine and medium sand.
		James R. Byrd's Well 3/17/79	Total Depth 441'

(Use additional forms if necessary)

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

INTERVAL SHEET

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Date rec'd: Date Processed: 6/20/80

PROPERTY: James R. Byrd

COMPANY: Douglas

COUNTY: Westmoreland

Well Repository No.: W- 5935
 C- 204

Sample Interval: from 0 to: 441

Number of samples: 42

Total Depth: 441

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-11	315-326	-	-	-
11-21	326-336	-	-	-
21-32	336-347	-	-	-
32-42	347-357	-	-	-
42-53	357-368	-	-	-
53-63	368-379	-	-	-
63-74	379-389	-	-	-
74-84	389-400	-	-	-
84-95	400-410	-	-	-
95-105	410-421	-	-	-
105-116	421-431	-	-	-
116-126	431-441	-	-	-
126-137	-	-	-	-
137-147	-	-	-	-
147-158	-	-	-	-
158-168	-	-	-	-
168-179	-	-	-	-
179-189	-	-	-	-
189-200	-	-	-	-
200-210	-	-	-	-
210-221	-	-	-	-
221-231	-	-	-	-
231-242	-	-	-	-
242-252	-	-	-	-
252-263	-	-	-	-
263-273	-	-	-	-
273-284	-	-	-	-
284-294	-	-	-	-
294-305	-	-	-	-
305-315	-	-	-	-

Owner: James R. Byrd
Driller: Douglas
County: Westmoreland

W# 5935
C# 204
Total Depth: 441'
Quad: Col. Beach Sout
Elev: 15'

Depth
(Feet)

WELL LOG

0-11	Gravel - "Salt and Pepper"; fine and coarse to granules; subangular and rounded; poor sorting; quartz.
11-21	Clay - Very pale orange (10yr 8/2); fine-grained clasts.
21-32	Gravel - Pale yellowish brown (10yr 6/2) clay coated gravel as at 0-11.
32-42	Gravel - As Above.
42-53	Gravel - As Above, except: sand clasts; few clasts of dark gray; wood.
53-63	Clay - Moderate olive gray (5y 5/1) in clasts; very sparse sand-mixed grains as above.
63-74	Clay - Light olive gray (5y 5/2); As Above, except: brown and gray colored clasts; wood; plant debris.
74-84	Clay - As At 53-63.
84-95	Clay - As Above.
95-105	Sand - Moderate olive gray (5y 5/2); moderate clay in clasts and granular; sand-very fine to very coarse; subrounded; moderate sorting; quartz; 2% black phosphatic fragments.
105-116	Sand - As Above.
116-126	Sand - Olive gray (5y 4/1); As Above, except: abundant fine clay; 8% black glauconite/phosphatic fragments; mica.
126-137	Clay - Light olive gray (5y 6/1); in clasts; abundant fine sand; quartz; rest - as above.
137-147	Clay, Sandy - As Above.
147-158	Clay, Sandy - As Above, except: (5y 4/1); abundant sand-very fine to coarse; some granule; quartz; 10% glauconite.
158-168	Clay, Sandy - As Above.
168-179	Clay, Sandy - As Above.
179-189	Clay, Sandy - As Above.
189-200	Clay, Sandy - As Above.

<u>Depth (feet)</u>	
200-210	Clay - Light brown (5y 6/4) and some grays as above; fine-grained clasts of colored clay; abundant sand; fine to very coarse; few granules; poor sorting; quartz; 5%+ glauconite.
210-221	Sand - Olive gray (5y 5/1); moderate granular clay; sand as above; 8% glauconite.
221-231	Sand - As Above, except: (5y 4/1); some tan clay clasts.
231-242	Shell Hash - Salt and Pepper - very pale orange (10yr 8/2); clay clasts (sparse); very fine to very coarse; sub-rounded; poorly sorted; quartz; 35% glauconite; 10% twigs and leaf debris.
242-252	Sand - As Above, except: olive gray (5y 4/1); no pale orange clay.
252-263	Sand, Clayey - As Above, except: abundant clay; some in sand clasts.
263-273	Sand, Clayey - As Above, except: 45% glauconite.
273-283	Sand, Clayey - As Above, except: very pale orange (10yr 8/2); 35% glauconite; shell fragments; wood debris.
284-294	Sand, Clayey - As at 263-273.
294-305	Sand, Clayey - As Above, except: (5y 3/1) (darker); 50% glauconite.
305-315	Sand, Clayey - Yellowish gray (5y 7/2) abundant clay; sand - As Above; few large granules; 15% glauconite.
315-326	Sand - As at 294-305; sparse clay; few pebbles; mica.
326-336	Sand - As Above, except: moderate tan and gray clay in clasts and pellets; very fine to very coarse sand; 35% glauconite.
336-347	Sand, Clayey - Moderate yellowish brown (10yr 5/4); abundant clay As Above; sand-As Above.
347-357	Sand, Clayey - As Above.
357-368	Sand - Moderate olive gray (5y 5/1); moderate clay clasts - dark gray; medium to granule; moderate sorting; quartz; 10% glauconite.
368-379	Sand - As Above.

Owner: James R. Byrd
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W# 5935
C# 204

Depth
(feet)

379-389	Clay - Yellowish gray (5y 7/2) and light brown (5yr 6/4); clay in clasts; very sparse sand and glauconite.
389-400	Clay - As Above.
400-410	Sand, Clayey - As Above, except: abundant sand; medium to very coarse; few glauconite; rose quartz.
410-421	Sand - As Above, except: moderate clay; few large granules.
421-431	Sand - As Above.
431-441	Sand - As Above.

Logged By: J. K. Polzin
July 9, 1980