

COMMONWEALTH OF VIRGINIA

W-3864

C-630

Well No. 6 DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS: DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Massanutten Development Co. Mailing Address: Route 1, McGaheysville, Va. 22840TENANT: Well #6 Mailing Address: Box 98DRILLER: Burner Well Drilling, Inc. Mailing Address: McGaheysville, Va. 22840WELL LOCATION: County Rockingham Approx. 6700 feet Northeast (direction) ofIntersection of State Route #620 and 758 and 100 miles Southeast (direction) of #758

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: May 25, 1973 DATE COMPLETED: June 14, 1973TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 392 feetWATER LEVEL: Stands 31 feet below surface ORhas NATURAL flow of _____ gallons per minute.YIELD TEST: Method Air life/Test PumpDrawdown 391/214 feetRate 100/122 gal. per min.Duration _____ hrs., 45 min./131.5 Hrs.HOLE SIZE: 12 inches from 0 to 38 feet10 inches from 38 to 100 feet6-1/8 inches from 100 to 392 feetSCREEN SIZE: N/A inches from _____ to _____ feetWATER ZONES: from 290 to 300 feet 30 gpm _____ inches from _____ to _____ feetfrom 390 to 392 feet 70 gpm _____ inches from _____ to _____ feetfrom _____ to _____ feet CASE SIZE: 10 inches from +2 to 38 feetWATER: Color cloudy Taste _____ 6 inches from +2 1/2 to 100 1/2 feetOdor sulphur Temp. _____ °F _____ inches from _____ to _____ feetWELL TO SUPPLY: (check one) Home _____ GROUTING: Method PressureFarm _____ Town _____ School _____ Material Cement Depth 100 feetIndustry _____ Other Planned Development PUMP: Type Goulds Submersible 20 HP.14 Stage UG66NS34Capacity 150 gal. per minDRILL CUTTINGS SAVED: Yes 40X No _____ Depth of intake 366 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: _____

(LOG OF WELL) OVER

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	27	Clay	
27	178	Shale	No water to 100 ft.
178	202	Blue Limestone	
202	203	Soft Limestone	
203	261	Blue Limestone	
261	269	Thin layers of white rock with limestone	
269	283	Limestone	
283	284	Thin layer of white rock with limestone	
284	290	Limestone	
290	390	White rock and soft limestone	Water 30 gpm cloudy
390	392	Water (70 gpm)	

OWNER: Massanutten Development Co. (Well #6)
DRILLER: Burner Well Drilling
COUNTY: Rockingham (McGaheysville)

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TOTAL DEPTH: 392'

GEOLOGIC LOG

Depth
in feet

UNCONSOLIDATED ALLUVIUM (0-30')

0-10	Clay
10-20	Clay
20-30	Clay with shale fragments

MARTINSBURG FORMATION (30'-390')

30-40	Calcareous siltstone (calcisiltite)
40-50	Calcareous siltstone (calcisiltite)
50-60	Calcareous siltstone (calcisiltite)
60-70	Calcareous siltstone (calcisiltite)
70-80	Calcareous siltstone (calcisiltite)
80-90	Calcareous siltstone (calcisiltite)
90-100	Calcareous siltstone (calcisiltite)
100-110	Calcareous siltstone (calcisiltite)
110-120	Calcareous siltstone (calcisiltite)
120-130	Calcareous siltstone (calcisiltite)
130-140	Calcareous siltstone (calcisiltite)
140-150	Calcareous siltstone (calcisiltite)
150-160	Calcareous siltstone (calcisiltite)
160-170	Calcareous siltstone (calcisiltite)
170-180	Calcareous siltstone (calcisiltite)
180-190	Calcareous siltstone (calcisiltite)

OWNER: Massanutten Development Co. #6

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Depth
in feet

190-200	Calcareous siltstone (calcisiltite)
200-210	Calcareous siltstone (calcisiltite)
210-220	Calcareous siltstone (calcisiltite)
220-230	Calcareous siltstone (calcisiltite)
230-240	Calcareous siltstone (calcisiltite)
240-250	Calcareous siltstone (calcisiltite)
250-260	Calcareous siltstone (calcisiltite)
260-270	Calcareous siltstone (calcisiltite) with calcite fragments
270-280	Calcareous siltstone (calcisiltite) with calcite fragments
280-290	Calcareous siltstone (calcisiltite) with calcite fragments
290-300	Blue calcisiltite with calcite fragments
300-310	Calcisiltite with 5% calcite fragments
310-320	Calcisiltite (higher calcite content than above)
320-330	Calcisiltite with calcite fragments
330-340	Calcisiltite with calcite fragments
340-350	Calcisiltite with calcite fragments
350-360	Calcisiltite with calcite fragments
360-370	Calcisiltite with calcite fragments
370-380	Calcisiltite with calcite fragments
380-390	Calcisiltite with calcite fragments

GEOLOGIC SUMMARY

<u>Thickness</u>	<u>Rock unit</u>	<u>Age</u>
30'	Alluvium	Recent(?)
360'	Martinsburg Formation	Ordovician

Virginia Division of Mineral Resources
P. S. Frischmann, Geologist
May 5, 1978

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

INTERVAL SHEET

Page 1 of 1 Well Repository No.: C-630 W-3864
 Date rec'd: 6-19-73 Date Processed: 4-19-74 Sample Interval: from 0 to: 390
 PROPERTY: Massanutten Dev. #6 Number of samples: 39
 COMPANY: George Burner Total Depth: 392'
 COUNTY: Rockingham Oil or Gas: Water: XExploratory:

From-To	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	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-
250-260	-	-	-	-
260-270	-	-	-	-
270-280	-	-	-	-
280-290	-	-	-	-
290-300	-	-	-	-
300-310	-	-	-	-
310-320	-	-	-	-
320-330	-	-	-	-
330-340	-	-	-	-
340-350	-	-	-	-