

COMMONWEALTH OF VIRGINIA
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: Donald M. Crist, Inc. Mailing Address: 111 Charles St., Harrisonburg, VA.

TENANT: Donnagail Sub. well #4 Mailing Address: Penn Laird, Va.

DRILLER: Burner Well Drilling, Inc. Mailing Address: Box 98, McGaheysville, Va.

WELL LOCATION: County Rockingham Approx. 0.7 ^{feet}/_{miles} south (direction) of Penn Laird (U. S. Hwy. 33) and 0.2 ^{feet}/_{miles} west (direction) of St. Rd. 655

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

DATE STARTED: July 23, 1974 DATE COMPLETED: July 29, 1974

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 910 feet

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

YIELD TEST: Method Air Lift
Drawdown _____ feet
Rate 8 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 53 feet
6 1/8 inches from 53 to 910 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 _____ Taste _____
Odor _____ Temp. _____ °F

CASE SIZE: 6 inches from +1 to 53 feet
_____ inches from _____ to _____ feet
_____ 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

PUMP: Type _____
Capacity _____ gal per min

DRILL CUTTINGS SAVED: Yes 90 No _____

Depth of intake _____ 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: _____

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LOG

FURNISHED BY: Burner Well Drilling, Inc.

DATE: Oct. 1974

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	9	Clay	
9	910	Dark shaley limestone	
TOTAL DEPTH 910			
DATE STARTED: July 23, 1974			
DATE COMPLETED: July 29, 1974			
TYPE OF DRILL RIG USED: Air Rotary			
WATER LEVEL: _____			
has NATURAL flow of _____ gallons per minute			
YIELD TEST: Method Air Lift			
Growth _____			
Rate _____ gal. per min.			
Duration _____ hrs.			
WATER ZONES: from _____ to _____			
from _____ to _____			
CASE SIZE: 6 inches from _____ to _____			
from _____ to _____			
WATER: Color _____			
Odor _____ °F			
WELL TO SUPPLY: (check one) Home _____			
Form _____ Town _____ School _____			
Industry _____ Other _____			
WATER ANALYSIS AVAILABLE: Yes _____ No <input checked="" type="checkbox"/>			
DRILL CUTTINGS SAVED: Yes _____ 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:			

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

INTERVAL SHEET

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Well Repository No.: C-639
 W-4171

Date rec'd: 10-30-74 Date Processed:

Sample Interval: from 0 to: 910

PROPERTY: Donald M. Crest
 (Donnegal #4)

Number of samples: 90

COMPANY: Burner

Total Depth: 910'

COUNTY: Rockingham (Penn Land)

Oil or Gas: Water:X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	350-360	700-710	-	-
10-20	360-370	710-720	-	-
20-30	370-380	720-730	-	-
30-40	380-390	730-740	-	-
40-50	390-400	740-750	-	-
50-60	400-410	750-760	-	-
60-70	410-420	760-770	-	-
70-80	420-430	770-780	-	-
80-90	430-440	780-790	-	-
90-100	440-450	790-800	-	-
100-110	450-460	800-810	-	-
110-120	460-470	810-820	-	-
120-130	470-480	820-830	-	-
130-140	480-490	830-840	-	-
140-150	490-500	-	-	-
150-160	500-510	850-860	-	-
160-170	510-520	860-870	-	-
170-180	520-530	870-880	-	-
180-190	530-540	880-890	-	-
190-200	540-550	890-900	-	-
200-210	550-560	900-910	-	-
210-220	560-570	-	-	-
220-230	570-580	-	-	-
230-240	580-590	-	-	-
240-250	590-600	-	-	-
250-260	600-610	-	-	-
260-270	610-620	-	-	-
270-280	620-630	-	-	-
280-290	630-640	-	-	-
290-300	640-650	-	-	-
300-310	650-660	-	-	-
310-320	660-670	-	-	-
320-330	670-680	-	-	-
330-340	680-690	-	-	-
340-350	690-700	-	-	-

unwashed only

OWNER: Donald M. Crest (Donnagail #4)
DRILLER: Burner Well Drilling
COUNTY: Rockingham (Pennlaird)

W-4171
C-639
TOTAL DEPTH-910'

GEOLOGIC LOG

Depth
in feet

UNCONSOLIDATED ALLUVIUM (0-10')

0-10 Unconsolidated sandstone fragments

MARTINSBURG FORMATION (10'-910')

10-20 Calcisiltite

20-30 Calcisiltite

30-40 Calcisiltite

40-50 Calcisiltite

50-60 Calcisiltite

60-70 Calcisiltite

70-80 Calcisiltite

80-90 Calcisiltite

90-100 Calcisiltite

100-110 Calcisiltite

110-120 Calcisiltite

120-130 Calcisiltite

130-140 Calcisiltite

140-150 Calcisiltite some bedding evident

150-160 Calcisiltite slaty

160-170 Calcisiltite

170-180 Calcisiltite slaty; with calcite fragments

OWNER: Donald M. Crest (Donnagail #4)

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180-190 Slaty calcisiltite
190-200 Slaty calcisiltite
200-210 Slaty calcisiltite
210-220 Slaty calcisiltite
220-230 Slaty calcisiltite
230-240 Slaty calcisiltite
240-250 Slaty calcisiltite
250-260 Slaty calcisiltite
260-270 Slaty calcisiltite
270-280 Slaty calcisiltite
280-290 Slaty calcisiltite
290-300 Slaty calcisiltite
300-310 Slaty calcisiltite
310-320 Slaty calcisiltite
320-330 Slaty calcisiltite
330-340 Slaty calcisiltite
340-350 Slaty calcisiltite
350-360 Slaty calcisiltite
360-370 Slaty calcisiltite
370-380 Slaty calcisiltite
380-390 Slaty calcisiltite
390-400 Slaty calcisiltite
400-410 Slaty calcisiltite
410-420 Slaty calcisiltite
420-430 Slaty calcisiltite

OWNER: Donald M. Crest (Donnagail #4)

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430-440 Slaty calcisiltite
440-450 Slaty calcisiltite
450-460 Slaty calcisiltite
460-470 Slaty calcisiltite
470-480 Slaty calcisiltite
480-490 Slaty calcisiltite
490-500 Slaty calcisiltite
500-510 Slaty calcisiltite
510-520 Slaty calcisiltite
520-530 Slaty calcisiltite
530-540 Slaty calcisiltite
540-550 Slaty calcisiltite
550-560 Slaty calcisiltite
560-570 Slaty calcisiltite
570-580 Slaty calcisiltite
580-590 Slaty calcisiltite
590-600 Slaty calcisiltite
600-610 Slaty calcisiltite
610-620 Slaty calcisiltite
620-630 Slaty calcisiltite
630-640 Slaty calcisiltite
640-650 Slaty calcisiltite
650-660 Slaty calcisiltite
660-670 Slaty calcisiltite
670-680 Slaty calcisiltite

OWNER: Donald M. Crest (Donnagail #4)

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680-690 Slaty calcisiltite
690-700 Slaty calcisiltite
700-710 Slaty calcisiltite
710-720 Slaty calcisiltite finely broken
720-730 Slaty calcisiltite finely broken
730-740 Slaty calcisiltite finely broken
740-750 Slaty calcisiltite very finely broken
750-760 Calcisiltite finely broken
760-770 Calcisiltite finely broken
770-780 Calcisiltite finely broken
780-790 Calcisiltite finely broken
790-800 Calcisiltite finely broken
800-810 Calcisiltite finely broken
810-820 Calcisiltite finely broken
820-830 Slaty calcisiltite
830-840 Slaty calcisiltite finely broken
840-850 Slaty calcisiltite finely broken
850-860 Slaty calcisiltite finely broken
860-870 Slaty calcisiltite finely broken
870-880 Slaty calcisiltite finely broken
880-890 Slaty calcisiltite finely broken
890-900 Slaty calcisiltite finely broken
900-910 Slaty calcisiltite finely broken

OWNER: Donald M. Crest (Donnagail #4)

W-4171

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
10'	Unconsolidated Alluvium	Recent(?)
900'	Martinsburg Formation	Ordovician

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