

W-3694
C-625

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: Department of Highways Mailing Address: Richmond, Virginia

TENANT: Cootes Store Area Headquarters Mailing Address: Broadway, Virginia

DRILLER: Burner Well Drilling Mailing Address: McGaheysville, Virginia 22840

WELL LOCATION: County Rockingham Approx. .6 miles North (direction) of
Route 259 and 400 feet East (direction) of #612

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

DATE STARTED: September 16, 1972 DATE COMPLETED: September 26, 1972

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 110 feet

WATER LEVEL: Stands 35 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air Lift *
Drawdown 108 feet
Rate 38 * gal. per min.
Duration 2 * hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 51 feet
6-1/8 inches from 51 to 97 feet
6 inches from 97 to 110 feet
SCREEN SIZE: N/A inches from _____ to _____ feet

WATER ZONES: from 61 to 62 feet
from 79 to 80 feet
from 96 to 97 feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 6 inches from 0 to 51 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color Clear Taste None
Odor _____ Temp. _____ °F

GROUTING: Method Pressure
Material Cement Depth 50 feet

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

PUMP: Type N/A
Capacity _____ gal per min
Depth of intake _____ feet

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: * Test pumped 8 hours @ 8GPM Plus
** Iron content in water

LOG

FURNISHED BY: Burner Well Drilling

DATE: Sept. 28, 1972

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	15	Dirt and boulders	
15	35	Brown Shale	
35	110	Blue Shale	

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

INTERVAL SHEET

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Well Repository No.: W- 3694

Date rec'd: 10/10/72 Date Processed: 3/20/73

Sample Interval: from 0 to: 110'

PROPERTY: Va. Dept. of Highways
(Cootes Store Area Hdqs.)

Number of samples: 11

COMPANY: Burner Well Drilling Company

Total Depth: 110'

COUNTY: Rockingham (Cootes Store)

Oil or Gas: Water: X Exploratory:

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	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
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-	-	-	-	-
-	-	-	-	-
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-	-	-	-	-

Unwashed only

OWNER: Virginia Department of Highways
(Cootes Store Area Headquarters)
DRILLER: Burner Well Drilling Co.
COUNTY: Rockingham (Cootes Store)

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T.D.- 110'

GEOLOGIC LOG

Depth (in feet)	
0-10	Overburden - light reddish-tan clay, silt, and sandstone pebbles
10-20	" "
MILLBORO SHALE (20-110')	
20-30	Mudstone - medium to dark gray, slightly fissile, non-calcareous
30-40	" "
40-50	" "
50-60	" "
60-70	" "
70-80	" "
80-90	" "
90-100	Mudstone - medium gray, fissile, non-calcareous; breaks with sub-conchoidal fracture
100-110	Mudstone and siltstone - medium gray, fissile, non-calcareous; trace of carbonaceous material along bedding planes

GEOLOGIC SUMMARY

<u>Thickness (in feet)</u>	<u>Rock Unit</u>	<u>Age</u>
20	Overburden	—
90	Millboro Shale	Devonian

T. M. Gathright, Geologist
Va. Division of Mineral Resources
December 1, 1975