

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2321
WWCR: 89

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: Thor, Inc. Mailing Address: 1300 Washington Ave., E. Vinton, Virginia

TENANT: Sunoco Station Mailing Address: Christiansburg, Virginia

DRILLER: Frank W. Martin Drilling Co., Inc. Mailing Address: 5163 Starkey Rd., S. W. Roanoke, Virginia 24014

WELL LOCATION: County Montgomery Approx. 1/4 ^{feet}/_{miles} west (direction) of Int. 81 and Int. 81 ^{feet}/_{miles} on (direction) of U.S. Hwy. 11 & 46

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

DATE STARTED: 9/12/68 DATE COMPLETED: 9/20/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 145 feet

WATER LEVEL: Stands 64 feet below surface OR has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pump
Drawdown 10 feet
Rate 50 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 80 feet
6 inches from 80 to 145 feet
_____ inches from _____ to _____ feet

WATER ZONES: from _____ to 135 feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 6 inches from 0 to 80 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other service station

GROUTING: Method pressure
Material cement Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

PUMP: Type submersible
Capacity 60 gal. per min.
Depth of intake 126 feet

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: _____

FURNISHED BY: Frank W. Martin Drilling Co., Inc. DATE: September 20, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	50	Clay Limestone	Opening at 70'
50	145		

INTERVAL SHEET

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WWCR: 89
VDMR Well No: 2321

Date rec'd: 11/20/68

Sample Interval: from 0 to: 145'

PROP: Thor, Inc.

Number of samples: 15

COMP: F. Martin Drilling Co.

Total Depth: 145'

COUNTY: Montgomery (Christiansburg)

Oil or Gas: Water: Exploratory:

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 - 145	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Thor, Incorporated (Sunoco Station)
DRILLER: Frank W. Martin Drilling Co.
COUNTY: Montgomery (Christiansburg)

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TOTAL DEPTH: 145'

GEOLOGIC LOG

Depth
in feet

0-10	Clay — reddish-brown, banded; trace of light-gray, fine-grained dolomite
10-20	"
20-30	Clay — light-brown, sandy; trace of dark-gray limestone
30-40	" decrease in amount of dark-gray limestone
40-50	" "
50-60	Dolomite — light- to medium-gray, fine-grained; slightly arenaceous
60-70	"
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-145	" with minor amount of vuggy chert

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-50'	Overburden	—
50-145'	Conococheague Formation	Late Cambrian

Virginia Division of Mineral Resources
W. W. Winters, Geologist
November 21, 1968