

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W #2351
C #390

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

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Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Roy D. Bowie Mailing Address: 1108 Glen St., Bristol, Tenn.

TENANT: American Oil Co. Mailing Address: Mint Spring, Va.

DRILLER: George F. Burner, Well Drilling Mailing Address: McGaheysville, Va.

WELL LOCATION: County Augusta Approx. 600 ^{feet}~~miles~~ east (direction) of
Interstate 81 @ Mint Spring and 200 ^{feet}~~miles~~ south (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: _____ DATE COMPLETED: Nov. 4, 1968

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 171 feet

WATER LEVEL: Stands 100 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air

Drawdown _____ feet

Rate 40 + gal. per min.

Duration _____ hrs., _____ min.

HOLE SIZE: 10 inches from 0 to 58 feet

6 inches from 58 to 171 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from 155 to 165 feet

from _____ to _____ feet

from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 58 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

GROUTING: Method pressure

Material cement Depth 58 feet

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Service Station

PUMP: Type _____

WATER ANALYSIS AVAILABLE: Yes _____ No _____

Capacity _____ gal. per min

DRILL CUTTINGS SAVED: Yes X 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: _____

OWNER: Roy D. Bowie (American Oil Company)
DRILLER: George F. Burner, Well Drilling
COUNTY: Augusta (Mint Spring)

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TOTAL DEPTH: 171'

GEOLOGIC LOG

Depth
in feet

OVERBURDEN (0-40')

0-10	Clay — light brown, with fragments of brown, weathered shale; a few fragments of medium to dark gray, slightly fissile, calcareous shale
10-20	Shale — weathered, yellowish brown; slightly fissile, calcareous
20-30	"
30-40	"

EDINBURG FORMATION (40-170')

40-50	Shale — partially weathered, dark gray and yellowish brown, slightly fissile, calcareous; abundant vein calcite
50-60	"
60-70	Shale — dark gray, slightly fissile, calcareous; minor amounts of vein calcite and brecciated shale
70-80	"
80-90	Shale — dark gray, slightly fissile, calcareous
90-100	"
100-110	Shale — dark gray, moderately fissile, calcareous
110-120	"
120-130	"
130-140	" with trace of vein calcite

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140-150	Shale — dark gray, moderately fissile, calcareous
150-160	" with trace of vein calcite
160-170	" about 1/3 of the sample is comprised of weathered, yellowish-brown shale
170-171	No sample

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-40'	Overburden *	—
40-170'	Lower Edinburg Formation	Middle Ordovician
170-171'	No sample	—

* Driller reported that the first 58' is in "fill and overburden"; samples from the 40-60' intervals may be a mixture of these materials with weathered bedrock

Virginia Division of Mineral Resources
William W. Winter, Geologist
December 26, 1968