W #2351 C #390

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS: McCormick Road

3667 WATER WELL COMPLETION ...iottesville, VA 22903 REPORT Charlottesville, Virginia

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.	
	Approx. 600 feet east (direction) of	
Interstate 81 @ Mint Springond 20	00 feet south (direction) of St. Rd. 655	
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM COUNTY HIGHWAY OR OTHER MAP.)	TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC ON	
DATE STARTED:	_DATE COMPLETED: Nov. 4, 1968	
TYPE OF DRILL RIG USED: air rotary	TOTAL DEPTH171feet	
WATER LEVEL: Stands 100 feet below	surface <u>OR</u>	
has <u>NATURAL</u> flow of.	gallons per minute.	
YIELD TEST: Methodair	HOLE SIZE: 10 inches from 0 to 58 feet	
Drawdownfeet	6_inches from 58to 171feet	
Rate $40 +$ gal. per min.	inches fromtofeet	
Durationhrs.,min.	SCREEN SIZE:inches fromtofeet	
WATER ZONES: from 155 to 165 feet	inches fromtofeet	
fromtofeet	inches fromtofeet	
fromfeet	CASE SIZE: 6 inches from 0 to 58 feet	
WATER: ColorTaste	inches fromtofeet	
Odor	inches fromtofeet	
WELL TO SUPPLY: (check one) Home	GROUTING: Method pressure	
Farm Town School	Material <u>cement</u> Depth <u>58</u> feet	
IndustryOther_Service Station	PUMP: Type	
WATER ANALYSIS AVAILABLE:YesNo	Capacitygal. per min	
DRILL CUTTINGS SAVED: Yes X No	Depth of intakefeet	
	INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS HED FREE OF CHARGE UPON REQUEST.)	
ARKS:		

FURNISHED BY:_

W #2351

DEF (fe	PTH et)	TYPE OF ROCK OR SOIL PENETRATED	REMARKS
FROM	то	(gravel, clay, etc., hardness, color, etc.)	(water, caving, shot, screen, sample, etc.)
0	58 171	Fill material and overburden	enant descripte Of Co.
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		(Use additional forms if necessar	I y)

VIRGINIA DIVISION OF MINERAL RESOURCES INTERVAL SHEET

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C #390 Well No: 2351

Date rec'd:

12/18/68

Sample Interval: from 0 to: 170'

PROP:

Roy D. Bowie (American Oil Co.)

Number of samples: 17

COMP:

George F. Burner, Well Drilling

Total Depth: 171'

COUNTY:

Augusta (Mint Spring)

Unwashed only, not enough to split.

Oil or Gas: Water:XExploratory:

Fro	m-	То	From-To	From-To	From-To
0	_	10		_	_
10		20	_	_	_
20		30	_	_	_
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OWNER: Roy D. Bowie (American Oil Company)

DRILLER: George F. Burner, Well Drilling

COUNTY: Augusta (Mint Spring)

W #2351 C #390

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

OWNER:	Roy D. Bowie (American Oil Co.) W #2351		
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

	Rock Unit	Age
0-401	Overburden *	_
40-170t	Lower Edinburg Formation	Middle Ordovician
170-171 ^t	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