

W# 3288  
C# 66

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:  
B-3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: National Park Service Mailing Address: Luray, Va.

TENANT: (SNP - Pinnacles #2) Mailing Address:

DRILLER: C. R. Moore Well Drilling Co. Mailing Address: Charlottesville, Va.

WELL LOCATION: County Madison Approx. 70 feet south (direction) of  
Well #1 and feet north (direction) of Skyline Drive

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

DATE STARTED: 10/27/71 DATE COMPLETED: 10/28/71

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 145 feet

WATER LEVEL: Stands 19 feet below surface OR  
has NATURAL flow of gallons per minute.

YIELD TEST: Method air lift  
Drawdown feet  
Rate 12 gal. per min.  
Duration hrs., min.

HOLE SIZE: 10 3/4 inches from 0 to 60 1/2 feet  
6 inches from 60 1/2 to 145 feet  
inches from to feet

WATER ZONES: from 50 to 51 feet  
from 67 to 68 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 60 1/2 feet  
inches from to feet  
inches from to feet

WELL TO SUPPLY: (check one) Home  
Farm Town School  
Industry Other Government

GROUTING: Method  
Material cement & water Depth 60 1/2 feet

WATER ANALYSIS AVAILABLE: Yes No

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

DRILL CUTTINGS SAVED: Yes 29 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:

LOG

FURNISHED BY:

Ollie V. Gibson

DATE:

10/1/71

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	5	Top soil	
5	56	Brown and yellow	
56	120	Gray-green rock	
120	145		

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

INTERVAL SHEET

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 Date rec'd: 11/5/71 ; processed 11/9/71  
 PROPERTY: National Park Service  
 (SNP - Pinnacles #2)  
 COMPANY: C. R. Moore Well Drilling Co.  
 COUNTY: Madison (Syria)

C-66  
 Well Repository No: 3288  
 Sample Interval: from 0 to: 145'  
 Number of samples: 29  
 Total Depth: 145'  
 Oil or Gas: Water: xExploratory:

From-To	From-To	From-To	From-To
0- 5	125- 130	-	-
5- 10	130- 135	-	-
10- 15	135- 140	-	-
15- 20	140- 145	-	-
20- 25	-	-	-
25- 30	-	-	-
30- 35	-	-	-
35- 40	-	-	-
40- 45	-	-	-
45- 50	-	-	-
50- 55	-	-	-
55- 60	-	-	-
60- 65	-	-	-
65- 70	-	-	-
70- 75	-	-	-
75- 80	-	-	-
80- 85	-	-	-
85- 90	-	-	-
90- 95	-	-	-
95- 100	-	-	-
100- 105	-	-	-
105- 110	-	-	-
110- 115	-	-	-
115- 120	-	-	-
120- 125	-	-	-

All intervals have both washed and unwashed samples



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DRILLER: C. R. Moore Well Drilling Co.  
COUNTY: Madison (Syria)

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T.D. 145'

GEOLOGIC LOG

Depth  
(in feet)

OVERBURDEN (0-55')

0-5	Weathered granodiorite – light to dark brown; abundant clear to opaque quartz, potassium feldspars, kaolinite, and a minor amount of muscovite and ilmenite
5-10	"
10-15	"
15-20	"
20-25	"
25-30	"
30-35	"
35-40	"
40-45	"
45-50	"
50-55	"

PEDLAR FORMATION (55-145')

55-60	Granodiorite – light to dark greenish-gray, medium to large crystalline; clear to opaque quartz, potassium feldspars, muscovite, biotite, ilmenite and traces of magnetite and hornblende; a few fragments of weathered material
60-65	"

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65-70	Granodiorite – light to dark greenish-gray, medium to large crystalline; clear to opaque quartz, potassium feldspars, muscovite, biotite, ilmenite and traces of magnetite and hornblende; a few fragments of weathered material
70-75	"
75-80	"
80-85	"
85-90	"
90-95	"
95-100	"
100-105	"
105-110	"
110-115	"
115-120	Granodiorite – light to dark green to brown, medium crystalline; clear to opaque quartz, potassium feldspars, muscovite, biotite, ilmenite, magnetite and hornblende
120-125	"
125-130	" with fine crystalline, light gray to purple metabasalt *
130-135	" "
135-140	Granodiorite – light to dark green to brown, medium crystalline; clear to opaque quartz, potassium feldspars, muscovite, biotite, ilmenite, magnetite and hornblende; minor amount of kaolinite (weathered feldspars)
140-145	"

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GEOLOGIC SUMMARY

<u>Thickness (ft)</u>	<u>Rock Unit</u>	<u>Age</u>
0-55'	Overburden	-
55-145'	Pedlar Formation	Precambrian

\* Metabasalt from the 125 to 135-foot interval is probably a feeder dike for the Catoctin Formation

Virginia Division of Mineral Resources  
E. B. Nuckols III, Geologist  
November 29, 1971