INTERVAL SHEET

WWCR 502

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VDMR Well No.: Well No. 1228

Date 1/18/65

Sample Interval: from 8 to 175

PROP: Town of Harrisonburg (Riven Rock Park #1)

Total depth 175

COMP: Sydnor Pump & Well Co.

Oil ___ Gas ___ Water X Exploratory ___

COUNTY: Rockingham

Cuttings X Core ___ Other ___

VDMR Well No: W-1228

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 8 No sample	-	-
-	-	8 - 10	165 - 170	-
-	-	10 - 15	170 - 175	-
-	-	15 - 20	-	-
-	-	20 - 30	-	-
-	-	30 - 35	-	-
-	-	35 - 40	-	-
-	-	40 - 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	-	-
-	-	125 - 130	-	-
-	-	130 - 135	-	-
-	-	135 - 140	-	-
-	-	140 - 145	-	-
-	-	145 - 150	-	-
-	-	150 - 155	-	-
-	-	155 - 160	-	-
-	-	160 - 165	-	-

OWNER: City of Harrisonburg
Riven Rock Park - Well #1
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Rockingham

VDMR #1228
WWCR #502
TOTAL DEPTH: 175'

GEOLOGIC LOG

0-8	No sample.

Pocono Formation (8-115')

8-10	Sandstone — buff, with reddish cast; fine- to medium-grained orthoquartzite; grains are well sorted, subangular, loosely cemented with argillaceous material.
10-15	As above.
15-20	As above.
20-30	Sandstone — buff- to gray; fine- to coarse-grained, siliceous, chert-bearing, orthoquartzite; grains are moderately well sorted, subangular to subrounded; grains are tightly interlocked and small % interstitial space is filled with silica cement; scattered chert granules; minor iron ore; trace of pyrite.
30-35	Sandstone — buff- to gray; medium-grained, siliceous, chert-bearing orthoquartzite; grains are moderately well sorted, subangular, very closely packed and firmly cemented by silica; abundant vein quartz in form of unabraded, singly terminated, clear crystals and crystal groups; minor iron ore.
35-40	Sandstone — two types: 1) buff, with reddish cast; medium-grained orthoquartzite; well sorted; 2) gray; medium-grained, siliceous orthoquartzite; grains well sorted. Scattered, coarse rounded grains of chert; patches of secondary pyrite; scattered fragments of black shale.
40-50	Sandstone — buff- to gray, with reddish cast; medium-grained orthoquartzite; fairly well sorted, subangular to subrounded quartz sand with interlocking texture; minor iron ore; small amount chert.
50-55	Sandstone — buff; medium-grained orthoquartzite; grains are fairly well sorted, subangular; small amounts of chert, jasper, crystals of vein quartz; minor iron ore.
55-60	As above.
60-65	Sandstone — gray; medium-grained orthoquartzite; grains are subangular, tightly interlocked.

OWNER: City of Harrisonburg (Riven Rock Park - Well #1) #1228

65-70	Sandstone — dark-gray; fine-grained, firmly cemented, slightly argillaceous orthoquartzite.
70-75	Shale and sandstone — shale is dark-gray, non-fissile; sandstone is gray, medium-grained orthoquartzite.
75-80	Sandstone and shale — sand is dark-gray, argillaceous; shale is black, non-fissile, sandy.
80-85	Shale — black; non-fissile, some pyrite.
85-90	Shale — gray to black; non-fissile, very coherent.
90-95	As above.
95-100	As above.
100-105	As above.
105-110	Shale — gray to black; non-fissile, very coherent; some pyrite.
110-115	As above.

Hampshire Formation (115-175')

115-120	Shale — gray, mottled red; non-fissile, coherent.
120-125	As above.
125-130	As above — but with minor gray, argillaceous sandstone and trace of pyrite.
130-135	Shale — black; non-fissile, moderately coherent, blocky fracturing; small amount of pyrite.
135-140	As above — but slightly fissile.
140-145	Shale — dark-gray to black; slightly fissile; pyrite is finely divided, dissiminated.
145-150	As above.
150-155	Shale — gray to black; non-fissile, coherent; minor pyrite.
155-160	As above.
160-165	Shale — gray, mottled red; non-fissile, coherent.

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165-170 Shale — gray; non-fissile, coherent, blocky fracturing.

170-175 Shale — brownish-gray to gray with red mottles; non-fissile, coherent, blocky fracturing.

GEOLOGIC SUMMARY

	ROCK UNIT	TIME ROCK UNIT
0-8	No sample	
8-115	Pocono Formation	Mississippian
115-175	Hampshire Formation	Devonian

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
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