



WATER-RIGHT DOCKET

Chesapeake & Ohio Canal National Historical Park

Docket No: 32

MILE 47.6 WELL.

Supporting Hydro Data

00-00-0000: analytical statement; 1969

FORM 9-1367 (9-1960)
U. S. DEPT. OF INTERIOR
GEOLOGICAL SURVEY

ANALYTICAL STATEMENT - GW

COUNTY
Towson

LAB NO. DC-5082

79783

Location
C&O Canal

Date of collection
March 27, 1969

Spilling time
Color 5

Filtered Solids
Residue at 100°C
Calculated (ppm) 337

Flow per acre foot
Worked on Ca/Mg 292

Non-carbonate hardness
57

T. H. Hardness
8.2

Specific Conductance
End corrected at 25°C 564

Alk as CaCO₃ 235

CO₂ Calc. 2.9

SiO₂ mg/l 12

Fe

Ca 3.94 79

Mg 1.89 24

Na .44 10

K .03 1.3

6.30

Na+K

HCO₃ 4.69 286

CO₃ .00 0

SO₄ 1.10 53

Cl .27 9.5

F .00 .0

NO₃ .14 8.5

6.20

✓

Source (type of well) Well - 47.6

Depth (ft) 10

Water level (ft) 10

Depth of water pumping (ft) 10

Yield (GPM (min or max)) 10

Flow of well 10

Appearance 10

Temp (°F) 10

Collector Vial

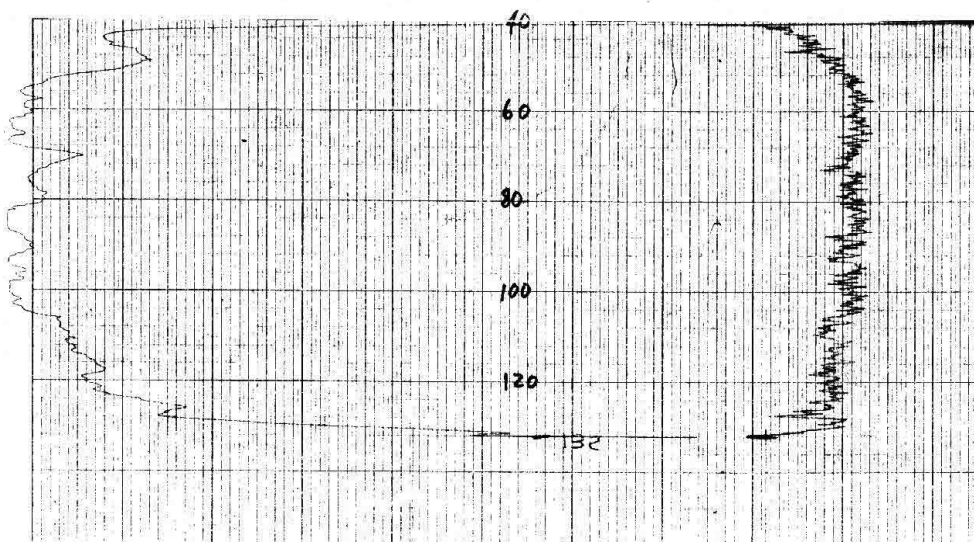
Checked Saunders

Date analyzed August 20, 1969

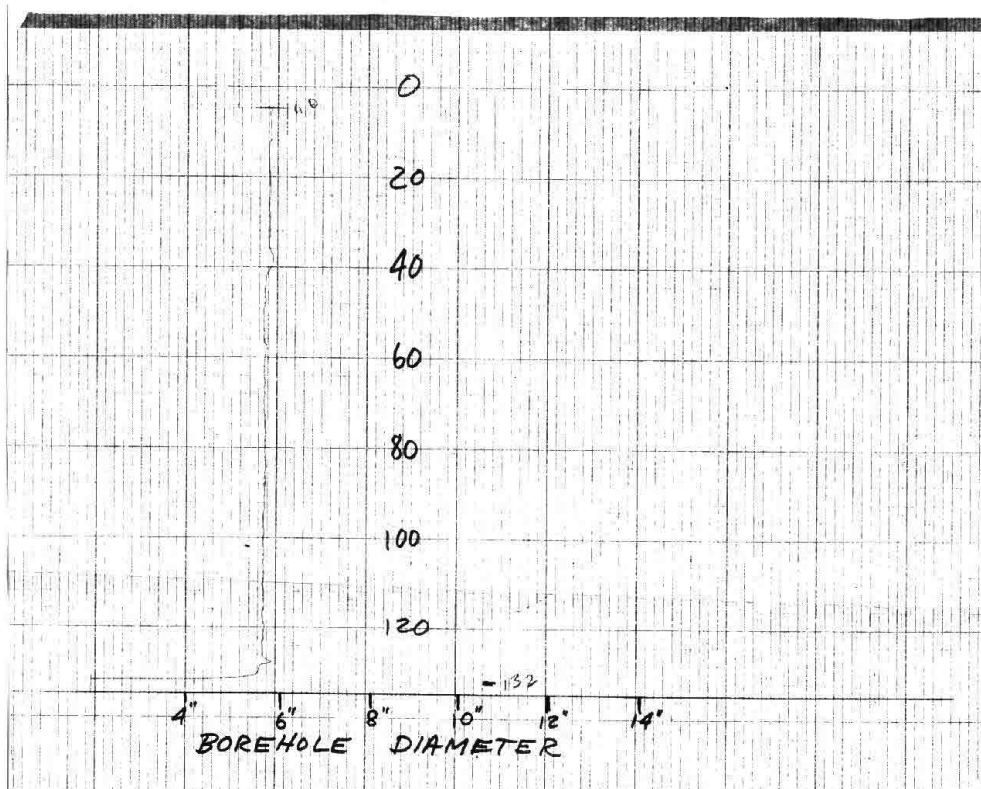
Checked by Chesapeake

Data transmitted

Log No. <u>1</u> Date: <u>4-1-69</u>	GEOPHYSICAL LOG UNITED STATES GEOLOGICAL SURVEY in cooperation with MARYLAND GEOLOGICAL SURVEY		Well No. <u>Fr-Fc 29</u>
Type log <u>ELECTRIC</u>			Long. <u>77° 31' 50"</u>
Logged by <u>LJN</u>		Lat. <u>39° 16' 15"</u>	
Fluid in hole: <u>WATER</u>		County: <u>FREDERICK</u> State: <u>MD.</u>	
Fluid level, below datum: <u>18'</u>		Location: <u>47.7 MILES ABOVE GEORGETOWN ON C&O</u>	
Fluid resistivity _____ at _____ °F		<u>CANAL</u>	
Time constant: _____		Datum: <u>LAND SURFACE</u>	
Logging speed: <u>50</u> ft. per min.		Altitude of datum: <u>220 ± 10'</u>	
AQUIFER <u>NEW OXFORD FM</u> <u>(LS CONGL)</u>	OWNER <u>NATIONAL PARK SERVICE</u>	Depth, hole: <u>135'</u> dia. <u>6"</u>	
SCREEN _____ DIA. _____	ADDRESS <u>SHARPSBURG, MD.</u>	Depth, casing: <u>90'</u> dia. <u>6"</u>	
REMARKS <u>NEAR POINT OF ROCKS</u>	DRILLER <u>HOFFMAN WELL DRLG</u>		
	S 200	DEPTH (feet)	R 20



Log No. <u>2</u> Date: <u>4-1-69</u>	GEOPHYSICAL LOG UNITED STATES GEOLOGICAL SURVEY in cooperation with MARYLAND GEOLOGICAL SURVEY		Well No. <u>Fy-Fc 29</u>
Type log <u>CALIPER</u>			Long. <u>77° 31' 50"</u>
Logged by <u>LJN</u>			Lat. <u>39° 16' 15"</u>
Fluid in hole: <u>WATER</u>			County: <u>FREDERICK</u> State: <u>MD</u>
Fluid level below datum: <u>18'</u>			Location: <u>4.7 MILES ABOVE GEORGETOWN ON C&D CANAL</u>
Fluid resistivity <u>—</u> at <u>—</u> °F			Datum: <u>LAND SURFACE</u>
Time constant: <u>—</u>			Altitude of datum: <u>220 ± 10'</u>
Logging speed: <u>25</u> ft. per min.			Depth, hole: <u>135'</u> dia. <u>6"</u>
AQUIFER <u>NEW OXFORD FM</u> <u>(LS CONGL)</u>	OWNER <u>NATIONAL PARK SERVICE</u>		Depth, casing: <u>40'</u> dia. <u>6"</u>
SCREEN <u>NONE</u> DIA. <u>—</u>	ADDRESS <u>SHARPSBURG, MD</u>		
REMARKS <u>LOGGING SPEED</u> <u>25 FT/MIN</u>	DRILLER <u>HOFFMAN WELL DRLG.</u>		
		DEPTH (feet)	



Docket Information

Number of Documents in Docket 3

Documents Dated from to

Docket Compiled: 2/7/2011