



WATER-RIGHT DOCKET

Chesapeake & Ohio Canal National Historical Park

Docket No: 33

MILE 42.52 WELL.

Supporting Hydro Data

00-00-0000: analytical statement; 1969

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

Towson

ANALYTICAL STATEMENT - GW

79703

LAD NO. DC-5035

Location C & O Canal

Date of collection March 12, 1969

Ignition Loss Color 20

Dissolved Solids

Residue at 180°C

Calculated (Sum) 175

Time per Area Foot

Hardness as CaCO₃ Ca/Mg 144

Non-carbonate Hardness 25

Total Hardness pH 7.8

Specific Conductance

(Microhm/cm at 25°C) 304

Alk as CaCO₃ 119

CO₂ Calc. 3.6

Source (Type of well) Well - 42.52

Chem

Base acid Cased to

Depth

Water level

Sampled after pumping

Yield

FT of well

Appearance

Temp (°F)

Collector

Chemist

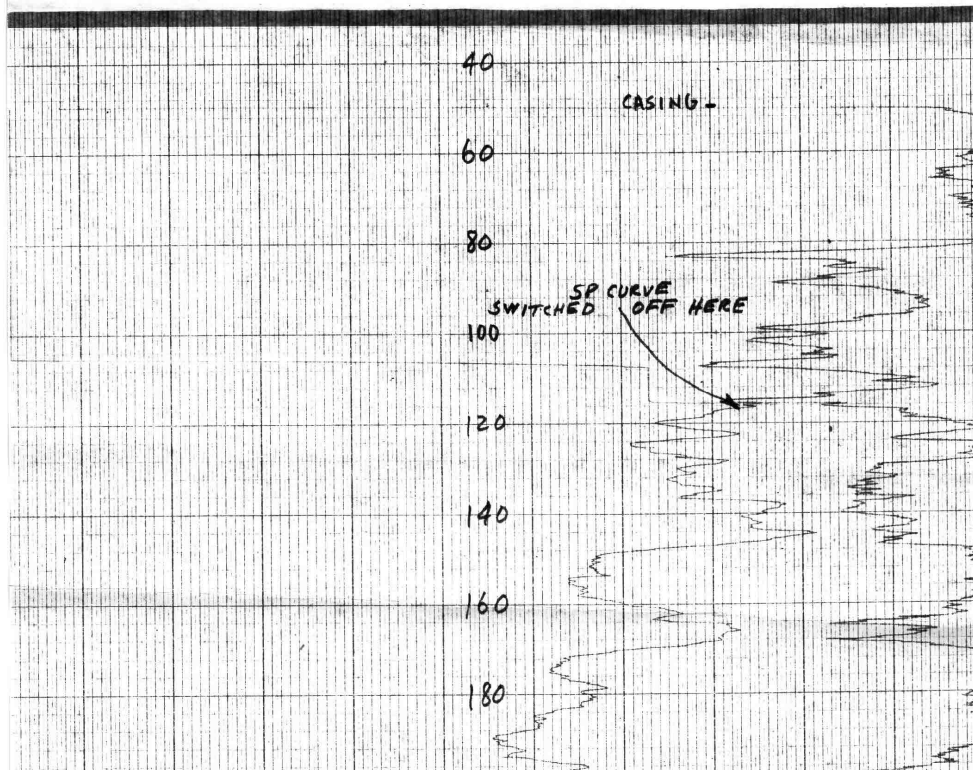
Date analyzed

Checked by

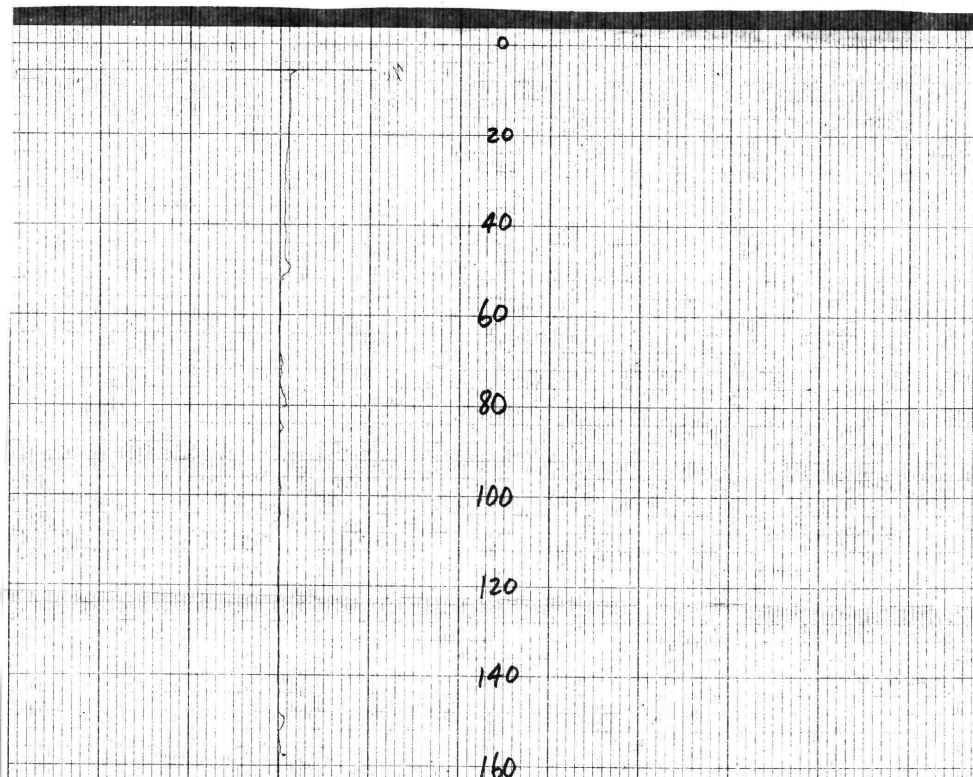
Date transmitted

	meq/l	mg/l
SiO ₂		11
Fe		
Ca	2.10	42
Mg	.77	9.4
Na	.19	4.4
K	.02	.6
Na+K	3.08	
HCO ₃	2.38	145
CO ₃	.00	0
SO ₄	.67	32
Cl	.12	4.4
F	.01	.1
NO ₃	.00	.2
	3.18	

Log No. <u>1</u> Date: <u>9-1-69</u>	GEOPHYSICAL LOG		Well No. <u>Fr-Gd 5</u>
Type log <u>ELECTRIC</u>			Long. <u>77° 27' 17"</u>
Logged by <u>LJN</u>	UNITED STATES GEOLOGICAL SURVEY		Lat. <u>39° 13' 36"</u>
Fluid in hole: <u>WATER</u>	in cooperation with		County: <u>FREDERICK</u> State: <u>MD</u>
Fluid level, below datum: <u>19'</u>	MARYLAND GEOLOGICAL SURVEY		Location: <u>42.52 MILES</u>
Fluid resistivity <u> </u> at <u> </u> °F			<u>ABOVE GEORGETOWN ON</u>
Time constant: <u> </u>			<u>C&O CANAL</u>
Logging speed: <u>50</u> ft. per min.			Datum: <u>LAND SURFACE</u>
AQUIFER <u>FREDERICK LS</u>	OWNER <u>NATIONAL PARK SERVICE</u>	Altitude of datum: <u> </u>	
SCREEN <u> </u> DIA. <u> </u>	ADDRESS <u>SHARPSBURG, MD.</u>	Depth, hole: <u>305'</u> dia. <u>6"</u>	
REMARKS <u>WATER REPTD</u>	DRILLER <u>HOFFMAN WELL DRLG</u>	Depth, casing: <u>49'</u> dia. <u>6"</u>	
<u>AT 92, 220' & 298'</u>			
<u>MOST WTR FROM 298'</u>			
<u>RUN II</u>			
	<u>S 100</u>	DEPTH (feet)	<u>R 50</u>



Log No. <u>2</u> Date: <u>4-1-69</u>	GEOPHYSICAL LOG		Well No. <u>Fr-Gd 5</u>
Type log <u>CALIPER</u>			Long: <u>77° 27' 17"</u>
Logged by <u>LJN</u>	UNITED STATES GEOLOGICAL SURVEY in cooperation with MARYLAND GEOLOGICAL SURVEY		Lat: <u>39° 13' 36"</u>
Fluid in hole: <u>WATER</u>			County: <u>FREDERICK</u> State: <u>M</u>
Fluid level, below datum: <u>19</u>			Location: <u>22.52 MILES</u>
Fluid resistivity <u> </u> at <u> </u> °F			<u>ABOVE GEORGETOWN</u>
Time constant: <u> </u>			<u>ON C & D CANAL</u>
Logging speed: <u>25</u> ft. per min.			Datum: <u>LAND SURFACE</u>
AQUIFER <u>FREDERICK LS</u>	OWNER <u>NATIONAL PARK SERVICE</u>		Altitude of datum: <u> </u>
SCREEN <u> </u> DIA. <u> </u>			Depth, hole: <u>305</u> dia. <u>6</u>
REMARKS <u>WATER REPTD AT</u>	ADDRESS <u>SHARPSBURG, MD.</u>		Depth, casing: <u>49</u> dia. <u>6</u>
<u>72', 220', AND 298'</u>			DRILLER <u>HOFFMAN WELL DRLG</u>
<u>MOST WTR FROM 298'</u>			
		DEPTH (feet)	

Docket Information

Number of Documents in Docket 3

Documents Dated from 4/1/1969 to 4/1/1969

Docket Compiled: 2/7/2011