

INTERVAL SHEET

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VDMR Well No: 1594

Date rec'd: 5/16/66

Sample Interval: from 0 to 440

PROP: Federal Reserve Bank of Richmond,
Well #2

Number of samples: 45

COMP: Leazer Pump & Well Co.

Total Depth: 440

COUNTY: Culpeper

Oil or Gas: Water:x Exploratory:

From-To	From-To	From-To	From-To
0 - 10	300_ 310	-	-
10 - 20	310_ 320	-	-
20 - 30	320_ 330	-	-
30 - 40	330_ 340 *	-	-
40 - 50	340_ 350	-	-
50 - 60	350_ 360 *	-	-
60 - 70	360_ 370	-	-
70 - 80	370_ 380	-	-
80 - 90	380_ 390	-	-
90 - 100	390_ 395 *	-	-
100_ 110	395_ 400 *	-	-
110_ 120	400_ 410	-	-
120_ 130	410_ 420	-	-
130_ 140	420_ 430	-	-
140_ 150	430_ 440	-	-
150_ 160	-	-	-
160_ 170	-	-	-
170_ 180	-	-	-
180_ 190	-	-	-
190_ 200	-	-	-
200_ 210	-	-	-
210_ 220	-	-	-
220_ 230	-	-	-
230_ 240	-	-	-
240_ 250	-	-	-
250_ 260	-	-	-
260_ 270 *	-	-	-
270_ 280	-	-	-
280_ 290	-	-	-
290_ 300	-	-	-

* unwashed samples only

OWNER: Federal Reserve Bank, Well #2
DRILLER: Leazer Pump & Well Co., Inc.
COUNTY: Culpeper (Mt. Pony)

VDMR: 1594
WWCR: 32
TOTAL DEPTH: 440'

GEOLOGIC LOG

Depth in feet

OVERBURDEN (0-2)

0-2 Overburden

UPPER NEWARK (2-440)

2-10	Pyroclastic sediments - pink, pink-gray, and black; aphanitic, hard, dense, non-fissile.
10-20	Pyroclastic sediments - maroon and gray, hard aphanitic, moderately fissile.
20-30	" greenish-gray.
30-40	" dark gray.
40-50	" light gray.
50-60	Pyroclastic Sediments - dark reddish-gray; hard, aphanitic, fissile.
60-70	Pyroclastic sediments - pink-gray; hard, poorly-fissile to non-fissile.
70-80	Pyroclastic sediments - pink-gray and maroon; hard aphanitic, moderately fissile.
80-90	" gray.
90-100	" maroon.
100-110	" lighter red.
110-120	" gray.
120-130	" "
130-140	" pinkish-gray.
140-150	" "
150-160	" maroon; with calcite and zeolite crystals along fracture cleavage.
160-170	" "

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- 170-180 Pyroclastic Sediments - maroon; hard; slightly fissile.
- 180-190 "
- 190-200 " with some finely-disseminated epidote.
- 200-210 Pyroclastic Sediments - pinkish-gray, hard, laphanitic, poorly-fissile to non-fissile; with hard, green fragments.
- 210-220 "
- 220-230 " dark red.
- 230-240 " "
- 240-250 " "
- 250-260 " "
- 260-270 " dark pinkish-gray.
- 270-280 " "
- 280-290 Pyroclastic Sediments - red; hard, aphanitic, with white, radiated 12 mm aggregates of zeolites (stilbite?).
- 290-300 " dark red, with hard green, epidotized aphanite.
- 300-310 Pyroclastic Sediments - red-gray; hard, massive; finely crystalline.
- 310-320 " red.
- 320-330 Pyroclastic Sediments - red and green; hard, massive; no fissility; 10 mm calcite crystals.
- 330-340 Sample missing.
- 340-350 Pyroclastic Sediments - black; hard, aphanitic with fissility; films and filmy spots of pyrite on cleavage surfaces.
- 350-360 Pyroclastic Sediments - gray; hard, aphanitic; with poor to no fissility.
- 360-370 Pyroclastic Sediments - gray-green; hard, aphanitic; with poor fissility.
- 370-380 " gray.
- 380-390 Pyroclastic Sediments - black; with some fissility and spotty pyritic coatings on cleavage.

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390-395 Pyroclastic Sediments - black; with some fissility and spotty pyritic coatings on cleavage.

395-400 " gray-green.

400-410 " "

410-420 " pink-gray; hard, aphanitic.

420-430 " "

430-440 " "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-2	Overburden	
2-440	Upper Newark pyroclastic sediments	Triassic

Virginia Division of Mineral Resources
 Richard S. Good, Geologist
 April 12, 1967