

INTERVAL SHEET

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VDMR Well No: 1593

Date rec'd: 5/13/66

Sample Interval: from 35 to 500

PROP: R. Solenberger #3
(Fruit Hill Orchard, Inc.)

Number of samples: 46

COMP: H. E. Shirley

Total Depth: 500

COUNTY: Frederick (Winchester)

Oil or Gas: Water: Exploratory:

| From-To | From-To | From-To | From-To |
|---------|---------|---------|---------|
| 35 - | 355 - | - | - |
| 45 - | 365 - | - | - |
| 55 - | 375 - | - | - |
| 65 - | 385 - | - | - |
| 75 - | 395 - | - | - |
| 85 - | 405 - | - | - |
| 95 - | 415 - | - | - |
| 105 - | 425 - | - | - |
| 115 - | 435 - | - | - |
| 125 - | 445 - | - | - |
| 135 - | 455 - | - | - |
| 145 - | 465 - | - | - |
| 155 - | 475 - | - | - |
| 165 - | 485 - | - | - |
| - | 495 - | - | - |
| 185 - | 500 - | - | - |
| 195 - | - | - | - |
| 205 - | - | - | - |
| 215 - | - | - | - |
| 225 - | - | - | - |
| 235 - | - | - | - |
| 245 - | - | - | - |
| 275 - | - | - | - |
| 285 - | - | - | - |
| 295 - | - | - | - |
| 305 - | - | - | - |
| 315 - | - | - | - |
| 325 - | - | - | - |
| 335 - | - | - | - |
| 345 - | - | - | - |

All intervals have both washed and unwashed samples

OWNER: Robert Solenberger, Well #3 (Fruit Hill Orchard, Inc.) VDMR 1593
DRILLER: H. E. Shirley WWCR 291
COUNTY: Frederick (Winchester) TOTAL DEPTH: 500'

GEOLOGIC LOG

0-35 No samples

Conococheague Formation (35-85')

35 Limestone — tan to light yellow, granular to medium-fine crystalline, silty to sandy, and limestone - gray to dark gray, fine crystalline, dense, calcite veins

45 "

55 "

65 Limestone — gray to light gray, fine crystalline, dense to fragmental calcarenitic containing silt and sand some calcite partially silicified

75 Limestone — gray, argillaceous, platy, small pyritic inclusions, calcite crystals, some chips contain silt

Elbrook Formation (85-500')

85 Limestone — gray to dark gray, fine crystalline, dense, fair-sized calcite veins, few small pyrite crystals, hard, slightly argillaceous

95 "

105 " with less calcite

115 " "

125 " "

135 " with increase in calcite

145 " "

155 " with less calcite

165 " "

175-185 No sample

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| | |
|---------|--|
| 185 | Limestone — gray, dark gray, finely crystalline, dense, fair-sized calcite veins |
| 195 | " |
| 205 | " |
| 215 | " with less calcite |
| 225 | " " |
| 235 | " " |
| 245-275 | No samples |
| 275 | Limestone — gray to dark gray, fine crystalline, dense, calcite veins, slightly argillaceous |
| 285 | " |
| 295 | " |
| 305 | Limestone — gray to dark gray, fine crystalline, dense, thin calcite veins, slightly argillaceous, thin bedded; platy, argillaceous |
| 315 | " |
| 325 | " |
| 335 | " |
| 345 | " with less argillaceous materials |
| 355 | " with increase in argillaceous materials |
| 365 | " " |
| 375 | " with less argillaceous materials |
| 385 | Limestone — light gray, very-fine crystalline, dense, hard, slightly argillaceous, thin to very thin laminae of black argillaceous materials, few pyrite crystals interdisseminated and limestone - dark gray, fine crystalline, dense, calcite veins, slightly argillaceous |
| 395 | " |

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| | | |
|-----|---|---|
| 405 | | Limestone -- gray to dark gray, fine crystalline, dense, slightly argillaceous, with considerable calcite crystals |
| 415 | " | with much less calcite, argillaceous, platy |
| 425 | " | with increase in calcite, less argillaceous |
| 435 | " | with increase in calcite, argillaceous |
| 445 | " | with much less calcite, argillaceous |
| 455 | " | with much less calcite, argillaceous, some black chert |
| 465 | " | with increase in calcite, argillaceous, some white chert |
| 475 | " | with increase in calcite, argillaceous, some white chert |
| 485 | " | with less calcite, argillaceous platy |
| 495 | " | with less calcite, argillaceous platy, some white chert |
| 500 | " | with much more calcite slightly silicified and limestone - light gray, very-fine crystalline with disseminated pyrite |

GEOLOGIC SUMMARY

| | <u>ROCK UNIT</u> | <u>AGE</u> |
|--------|-------------------------|------------|
| 0-35 | No samples | |
| 35-85 | Conococheague Formation | Ordovician |
| 85-500 | Elbrook Formation | Cambrian |

Virginia Division of Mineral Resources
Warren J. Souder, Geologist
June 1966