## INTERVAL SHEET

## WWCR 319

| Page <u>l</u>          |          | /DMR Well No.: We      | ell No. 1149     |          |
|------------------------|----------|------------------------|------------------|----------|
| Date <u>10/13/64</u>   |          | Sample Interval: f     | from <u>1</u> to | 310      |
| PROP: Dorothy Withe    | ers 1    | Total depth 335        |                  |          |
| COMP: Sydnor           | C        | DilGasWate             | er_X_Exploratory | <i></i>  |
| COUNTY: Augusta (Stoke | esville) | Cuttings <u>X</u> Core | eOther           |          |
| VDMR Well No: W-13     | 149      | Washed samples         |                  |          |
| From-To From           |          | om-To Fi               | rom-To           | From-To  |
|                        | 0        | - l No sample          | ·                | _        |
| -                      | 1        | - 15                   | -                |          |
|                        | 15       | =                      | -                | -        |
| -                      | 30       | _                      | -                | -        |
|                        | 45       | 80                     |                  |          |
|                        | 80       | - 106                  | _                | -        |
| -                      |          | - 134                  | -                | -        |
| -                      | 134      | <sup>-</sup> 148       |                  | -        |
| -                      | 148      | 160                    | -                | ~        |
| -                      | 160      | 170 No sample          |                  | -        |
|                        |          | - 203                  | -                | -        |
| -                      |          | - 230                  | -                | -        |
| -                      |          | - 245                  | -                | -        |
|                        | 245      |                        | -<br>-           | <u>-</u> |
|                        | 270      | 295                    |                  |          |
|                        | 295      | - 310                  | _                | _        |
|                        |          | - 335 No sample        | · -              | _        |
|                        |          | -                      | -                | -        |
| -                      |          | -                      | -                | -        |
| -                      |          | -                      | -                | -        |
| <u> </u>               |          | _                      | _                | -        |
|                        |          | _                      | -                | -        |
| -                      |          | -                      | <b>-</b>         | -        |
|                        |          | -                      | -                | -        |
|                        |          | -                      | -                | -        |
|                        |          | _                      | _                | _        |
| -<br>-                 |          | -                      | _                | -        |
| -                      |          | -                      | _                | -        |
| -                      |          | -                      | -                | -        |
| -                      |          | -                      | _                | -        |

OWNER: Dorothy C. Withers

DRILLER: Sydnor Pump and Well Co., Inc.

COUNTY: Augusta (Stokesville)

VDMR #1149 WWCR #319

TOTAL DEPTH: 335'

## GEOLOGIC LOG

0-1 No sample.

Hampshire Formation (1-310')

| 1-15  | Shale — full red, slightly silty, non-fissile; very small amount of vein carbonate. |
|-------|---|
| 15-30 | As above.   |

- 30-45 As above.
- 45-80 As above.
- 80-106 As above but with more vein carbonate (thicker seams).
- 106-134 Shale medium-gray, moderately pronounced bedding.
- 134-148 Sandstone dull red, very-fine- to fine-grained, ferruginous, slightly to moderately micaceous (mostly muscovite, but some biotite).
- Shale dull red, slightly silty, non-fissile; uniformly oriented mica is conspicuous on bedding surfaces.
- 160-170 No sample.
- 170-203 Mudstone greenish-gray, blocky fracturing.
- 203-230 Sandstone and Shale medium- to dark-gray, medium-grained, siliceous orthoquartzite with veins of white quartz and a trace of pyrite; subordinate amount of gray, non-fissile shale.
- 230-245 As above.
- 245-270 As above.
- 270-295 Shale and Sandstone greenish-gray, slightly to moderately fissile shale; subordinate amount of white to gray, medium-grained, siliceous orthoquartzite.
- 295-310 Shale dull red, slightly silty, non-fissile.
- 310-335 No samples.

OWNER: Dorothy C. Withers

#1149

## GEOLOGIC SUMMARY

|         | ROCK UNIT                   | TIME ROCK UNIT |
|---------|-----------------------------|----------------|
| 0-1     | No sample                   |                |
| 1-310   | Hampshire Formation         | Devonian       |
| 310-335 | No samples                  |                |
|         | Refer: Young (Rockingham Co | Area 11        |

Virginia Division of Mineral Resources Robert H. Teifke, Geologist March 19, 1965