INTERVAL SHEET

| - | Page   | 1                           |  |  |
|---|--------|-----------------------------|--|--|
|   | Date   | 7-18-62                     |  |  |
|   | PROP:  | E. U. B. Church             |  |  |
|   | COMP:  | Sydnor                      |  |  |
|   | COUNTY | : Rockingham (Singers Glen) |  |  |

| Sample Interval | : fromto             | 410     |
|-----------------|----------------------|---------|
|                 | 419                  |         |
| OilGas          | _Water <u>x</u> Expl | oratory |

| From-To | From-To                                                                              | From-To | From-To                                                  | From-To                  |
|---------|--------------------------------------------------------------------------------------|---------|----------------------------------------------------------|--------------------------|
| -       | 0 - 20 missing<br>20 - 30<br>30 - 40<br>40 - 60<br>60 - 80                           |         | Insufficient quantity<br>material to wash<br>-<br>-<br>- | of _<br>-<br>-<br>-<br>- |
|         | 80 - <u>100</u><br>100 - 120<br>120 - 140<br>140 - 160<br>160 - 165 missing          | -       |                                                          |                          |
|         | $165 - 170 \\ 170 - 192 \\ 192 - 215 \\ 215 - 237 \\ 237 - 260$                      | -       | -                                                        |                          |
|         | 260 - 283<br>283 - <u>305</u><br>305 - 328<br>328 - 330 missing<br>330 - 350         | -       |                                                          |                          |
|         | 350 - 370<br>370 - 390<br>390 - 400 missing<br>400 - <u>410</u><br>410 - 419 missing | -       | -                                                        |                          |
|         | -                                                                                    | -       | -                                                        |                          |

| OWNER:<br>DRILLER:<br>COUNTY: | Singers Glen E. U. B. ChurchVDMR# 737Sydnor Pump and Well Co., Inc.WWCR# 419Rockingham (Singers Glen)TOTAL DEPTH: 419                                                  | 5 |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                               | SAMPLE DESCRIPTION<br>(washed)                                                                                                                                         |   |
| 0-20                          | No sample                                                                                                                                                              |   |
| 20-30                         | Limestone - medium gray, very hard, dense, fine<br>grained, silty, calcareous, dolomitic, slight<br>trace of minute calcite veins (top of bedrock<br>in this interval) |   |
| 30-40                         | Limestone - light gray, very hard, dense, fine grained,<br>silty, calcareous, dolomitic, trace of vein<br>material, slight trace of pyrite                             |   |
| 40-60                         | As above                                                                                                                                                               |   |
| 60-80                         | As above                                                                                                                                                               |   |
| 80-100                        | Limestone - light gray, very hard, dense, fine grained,<br>silty, slightly calcareous, dolomitic, trace of<br>calcite vein material                                    |   |
| 10-120                        | As above                                                                                                                                                               |   |
| 120-140                       | As above                                                                                                                                                               |   |
| 140-160                       | As above                                                                                                                                                               |   |
| 160-165                       | No sample                                                                                                                                                              |   |
| 165-170                       | Limestone - medium gray, very hard, dense, fine<br>grained, silty, slightly calcareous, dolomitic,<br>trace of calcite vein material, slight trace of<br>pyrite        |   |
| 170-192                       | As above                                                                                                                                                               |   |
| 192-215                       | As above                                                                                                                                                               |   |
| 215-237                       | As above                                                                                                                                                               |   |
| 237-260                       | Limestone – medium gray, very hard, dense, fine<br>grained, silty, slightly calcareous, dolomitic,<br>trace of calcite vein material                                   |   |

| OWNER:  | Singers Glen E. U. B. Church (continued) #737                                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 260-283 | Limestone - medium gray, very hard, dense, fine<br>grained, silty, slightly calcareous, dolomitic,<br>2% calcite vein material                                                      |
| 283-305 | Limestone - medium gray, very hard, dense, fine<br>grained, silty, slightly calcareous, dolomitic,<br>2% calcite vein material, trace of pyrite                                     |
| 305-328 | Limestone - light gray to medium gray, very hard,<br>dense, fine grained, silty, slightly calcareous,<br>dolomitic, heavy trace of calcite vein material,<br>slight trace of pyrite |
| 328-330 | No sample                                                                                                                                                                           |
| 330-350 | Limestone - light gray, very hard, dense, fine<br>grained, silty, slightly calcareous, dolomitic,<br>trace of calcite vein material                                                 |
| 350-370 | As above                                                                                                                                                                            |
| 370-390 | Limestone - medium gray, very hard, dense, fine<br>grained, silty, slightly calcareous, dolomitic                                                                                   |
| 390-400 | No sample                                                                                                                                                                           |
| 400-410 | Limestone - medium gray, very hard, dense, fine<br>grained, silty, slightly calcareous, dolomitic,<br>heavy trace of fine pyrite particles                                          |

## GEOLOGIC SUMMARY

AGE

Cambrian

## FORMATION OR UNIT

Conococheague limestone

Virginia Division of Mineral Resources Merrick S. Whitfield - Geologist October 26, 1962