

*original only*

INTERVAL SHEET

WELL NO. 785, WWCR 435

VDMR Well No.: \_\_\_\_\_

Sample Interval: from 0 to 385

Total depth 393'

Oil \_\_\_\_\_ Gas \_\_\_\_\_ Water  Exploratory \_\_\_\_\_

Cuttings  Core \_\_\_\_\_ Other \_\_\_\_\_

Page 1

Date 2-4-63  
PROP: ~~S. W. SWOPE #3~~

COMP: SYDNOR  
COUNTY: ROCKINGHAM  
COMP: (HARRISONBURG)  
VDMR WELL NO: W-785  
COUNTY: FROM: TO:

| From-To | From-To          | From-To | From-To | From-To |
|---------|------------------|---------|---------|---------|
| -       | 0-15             | -       | -       | -       |
| -       | 15-30            | -       | -       | -       |
| -       | 30-45            | -       | -       | -       |
| -       | 45-60            | -       | -       | -       |
| -       | 60-75            | -       | -       | -       |
| -       | 75-90            | -       | -       | -       |
| -       | 90-105           | -       | -       | -       |
| -       | 105-120          | -       | -       | -       |
| -       | 120-135          | -       | -       | -       |
| -       | 135-140          | -       | -       | -       |
| -       | 135-150          | -       | -       | -       |
| -       | 150-165          | -       | -       | -       |
| -       | 165-180          | -       | -       | -       |
| -       | 180-195          | -       | -       | -       |
| -       | 195-210          | -       | -       | -       |
| -       | 210-225          | -       | -       | -       |
| -       | 225-240 NOSAMPLE | -       | -       | -       |
| -       | 240-255          | -       | -       | -       |
| -       | 250-265          | -       | -       | -       |
| -       | 265-280          | -       | -       | -       |
| -       | 280-295          | -       | -       | -       |
| -       | 295-310          | -       | -       | -       |
| -       | 310-325          | -       | -       | -       |
| -       | 325-340          | -       | -       | -       |
| -       | 340-355          | -       | -       | -       |
| -       | 355-370          | -       | -       | -       |
| -       | 370-385          | -       | -       | -       |
| -       | 385-393 NOSAMPLE | -       | -       | -       |
| -       | -                | -       | -       | -       |

*Insufficient quantity of material to wash*

OWNER: S. W. Swope Well No. 3  
DRILLER: Sydnor Pump & Well Co.  
COUNTY: Rockingham (Harrisonburg)

VDMR # 785  
WWCR # 435  
TOTAL DEPTH : 393 feet

GEOLOGIC LOG

0-15 Overburden - red clay, silt, and quartz fragments

15-30 Dolomite - light gray, finely crystalline, hard, interbedded with white to cream dolomite, trace of calcite and red clay (top of bedrock in this interval)

30-45 As above

45-60 Dolomite - light gray, hard, some calcite veinlets, interbedded with dark gray, finely crystalline dolomite with calcite veins

60-75 Dolomite - light gray, medium crystalline, interbedded with minor amount of dark gray dolomite and black non-calcareous silty shale with minute specks of pyrite, some calcite fragments (X-ray analysis: 85% dolomite, 10% calcite, 5% quartz)

75-90 Dolomite - light gray, finely crystalline, hard, minor amount of quartz

90-105 Dolomite - light gray, few calcite seams, silty

105-120 Dolomite - medium gray, finely crystalline, hard, with traces of brownish gray dolomite

120-135 As above

125-140 Dolomite - light brown, finely crystalline, interbedded with some dark gray dolomite

135-150 Dolomite - light gray, dense, some calcite and traces of pyrite

150-165 Dolomite - dark gray, hard, trace of light gray dolomite with minor calcite veins

165-180 Dolomite - light gray, hard, interbedded with dark gray dolomite with minor calcite

180-195 As above

195-210 Dolomite - light gray, finely crystalline, hard, trace of dark gray shaley dolomite (X-ray analysis: 80% dolomite, 5% calcite, 15% quartz)

|         |   |
|---------|---|
| 210-225 | As above  |
| 225-240 | No sample   |
| 240-255 | Dolomite - dark gray, finely crystalline, hard, interbedded with some light gray dolomite, minor calcite fragments  |
| 250-265 | As above  |
| 265-280 | Dolomite - light gray, finely crystalline, hard, minor amount of dark gray dolomite   |
| 280-295 | Dolomite - interbedded dark and light gray, finely crystalline  |
| 295-310 | Dolomite - medium gray, hard, finely crystalline, traces of calcite and dark gray dolomite  |
| 310-325 | Dolomite - interbedded dark and light gray with some calcite fragments  |
| 325-340 | Dolomite - interbedded dark and light gray, medium crystalline, hard, with traces of calcite, quartz, and hematite staining on a few fragments (X-ray analysis: 80% dolomite, 5% calcite, 15% quartz, trace feldspar) |
| 340-355 | As above  |
| 355-370 | Dolomite - interbedded finely crystalline light gray dolomite and medium crystalline dark gray dolomite, traces of calcite and black shaley dolomite  |
| 370-385 | Dolomite - dark gray, medium to coarsely crystalline, interbedded with light gray, fine to medium crystalline dolomite, traces of calcite   |
| 385-393 | No sample   |

## GEOLOGIC SUMMARY

AGE

Ordovician

ROCK UNIT

Beekmantown formation

Virginia Division of Mineral Resources  
 Laurence H. Gardner II - Geologist  
 February 12, 1963