

Elevation above
mean sea level (feet)

4,050 —

4,030 —

4,010 —

3,990 —

3,970 —

3,950 —

3,930 —

3,910 —

3,890 —

3,870 —

3,850 —

FR 61
M
No uranium analyses made of this core

FR 60

M
8
900
650
800
14,000
M
1,300
1,300
4,100
8
20
1,900
16

FR 59

M
2
30
20
16
8
300
300
400
1,600
9,600
11,000
6,600
4,000

FR 58

M
12
2
4
6,600
1,100
900
1,250
640
200
2,150
750
600
1,250
280

FR 28

M
4
8
16
80
80
200
150
1,250
280

FR 50

M
350
190
120
16
16
120
8
80
2
250
625
430
500
600

FR 62

M
4
16
16
20
2
4
100
570
480
480
400
600+

Elevation above
mean sea level (feet)

4,030 —

4,010 —

3,990 —

3,970 —

3,950 —

3,930 —

3,910 —

3,890 —

3,870 —

3,850 —

Missing core

Mudstone

Very fine-grained sandstone

Fine-grained sandstone

Medium-grained sandstone

Limestone

Abundant calcite

Lower limit of gamma ray log

Uranium content
in ppm (less than
2 ppm for values
not given)

Gamma ray radioactivity in
c.p.s. (Usually less than
150 c.p.s. for values not
given)

Approximate uppermost water
level known and inferred
(August 7, 1954)

Horizontal scale

This map is preliminary and has not
been edited for conformity with Geological
Survey format

PLATE 5. CROSS SECTION SHOWING THE LITHOLOGY, GAMMA RAY RADIOACTIVITIES, URANIUM ANALYSES, AND WATER LEVEL BETWEEN
A. E. C. DRILL HOLES FR 61 AND FR 62 IN THE CLARABELLE AREA, FALL RIVER COUNTY, SOUTH DAKOTA