UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Upper Cretaceous

Pierre shale

Sharon Springs member

Gregory member

Gammon member

1
NE 1/4 sec. 31,
T. 5 N., R. 8 E.
Meade County

2
Cen. S 1/2 sec. 8
T. 4 N., R. 8 E.
Meade County

3
Cen. NW 1/4 NE 1/4 sec. 13
T. 1 S., R. 8 E.
Pennington County

4
SE 1/4 sec. 23
T. 3 S., R. 8 E.
Custer County

5
Cen. E 1/2 sec. 33
T. 4 S., R. 8 E.
Custer County

6
SW 1/4 sec. 20
T. 5 S., R. 8 E.
Custer County

7
SE 1/4 NE 1/4 SW 1/4 sec. 8
T. 7 S., R. 7 E
Fall River County

8
SE 1/4 NE 1/4 NE 1/4 sec. 31
T. 7 S., R. 7 E.
Fall River County

9
SW 1/4 NE 1/4 NE 1/4 sec. 34
T. 8 S., R. 6 E.
Fall River County

10
N E 1/4 sec 32
T. 9 S., R. 6 E.
Fall River County

11
SW 1/4 SW 1/4 NW 1/4 sec. 33
T. 9 S., R. 5 E.
Fall River County

12
NW 1/4 sec. 8
T. 12 S., R. 4 E.
Fall River County

13
NW 1/4 sec. 30
T. 10 S., R. 3 E.
Fall River County

14
SW 1/4 NW 1/4 sec. 28
T. 11 S., R. 1 E.
Fall River County

15
E 1/2 sec. 7
T. 9 S., R. 1 E.
Fall River County

0 .01

Datum is Ardmore bentonite bed of Spivey (1940)

EXPLANATION

Gray Shale

Black shale

Limy shale

Bentonite

Limestone concretions

Ferruginous concretions

Partly covered

Vertical scale in feet
20
10
5
0

3 — Location number refers to map, plate 51

Grab-sample horizon

Sampled interval

Equivalent uranium content

Uranium content; usually not shown where equivalent uranium is less than .003 percent

0 .01 — Percent uranium and equivalent uranium

GRAPHIC SECTIONS SHOWING URANIUM CONTENT OF SHARON SPRINGS MEMBER OF PIERRE SHALE ALONG THE EASTERN AND SOUTHERN FLANKS OF THE BLACK HILLS, SOUTH DAKOTA

491603 O - 59 (In pocket) No. 3