

# State Geological Survey of Kansas

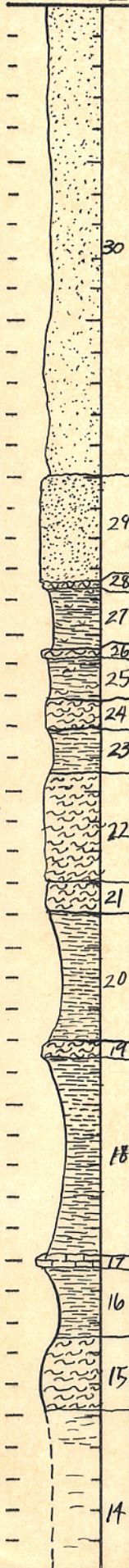
Scale  $\frac{1}{2}$  Features Unit Sec. 4 T. 32 S., R. 14W County Barber Date 1955

Locality description near type locality of Dog Creek shale in the S $\frac{1}{2}$

Measured by Ada Swineford  
Remarks

No.	Description	Thickness
	<b>WHITEHORSE SANDSTONE</b>	
30	Sandstone - very fine-grained, friable, cross-bedded, red with large irregular white spots; contains a few thin (5 cm) calcareous sandstone lentils	15
29	Sandstone - hard, calcareous, red; contains sand balls as much as 2.5 mm diameter	3.5
	<b>DOG CREEK SHALE</b>	
28	Siltstone - dolomitic and calcareous, white to red; lenticular	0.2
27	Clay shale - silty, dolomitic, blocky, brownish-red	1.8
26	Siltstone - dolomitic, white (5Y8/1) with discontinuous red streaks; microscope shows large chlorite flakes	0.3
25	Clay shale - silty, brownish-red	1.3
24	Siltstone - argillaceous, calcareous, thin-bedded, red mottled light-gray; and 11 mm layer near base contains salt casts up to 9 mm in diameter on lower side	1.0
23	Clay shale - silty blocky, dark-red	1.4
22	Siltstone - hard calcareous, light-red with white and brownish-red spots (2mm diameter)	3.5
21	Siltstone - slabby, white; contains thin greenish-gray silty shale seams	1.0
20	Clay shale - massive, reddish-brown	4.1
19	Siltstone - greenish-gray mottled light-brown	0.4
18	Clay shale - blocky, reddish-brown (2.5YR5/4)	6.5
17	Limestone - vesicular, hard, sugary, white to red; contains many specks of black to dark-brown organic matter	0.2
16	Clay shale - blocky, brownish-red	2.4
15	Siltstone - massive, white mottled light-brown	2.2
14	Partly covered - chiefly brownish-red blocky silty clay shale with a few thin gray streaks	

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Scale

No.

Features

Unit

Sec.

4

T. 32

S. R. 11W

County

Barber

Date

1955

Locality description

near type locality of Dog Creek shale

in the S<sub>1</sub><sup>1</sup>/<sub>2</sub>

Measured by

Ada Swineford

Remarks

No.

Description

Thickness

(CONTINUED FROM PREVIOUS PAGE)

13	Siltstone - slightly argillaceous, slabby, white	0.2
12	Clay shale - blocky, brownish-red	0.8
11	Siltstone - dolomitic, hard, uneven, light-gray	0.1
10	Clay shale - silty, blocky, brownish-red	1.9
9	Siltstone - calcareous, white with minute spots (1 mm) stained brown to black by organic matter	0.2
8	Clay shale - blocky, dark-red	0.6
7	Siltstone - very calcareous, white (10YR8/1) with minute spots (1 mm); stained dark-brown by organic matter	0.8
6	Clay shale - blocky, brownish-red slightly mottled light-red	0.9
5	Clay shale - greenish-gray; surfaces uneven	0.3
4	Clay shale - blocky, dark-red	2.4
3	Clay shale - greenish-gray mottled	0.2
2	Clay shale - silty, blocky, dark-red	0.8
1	Covered	5.3