

Scale: 1 line = 2'

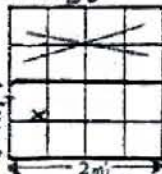
State Geological Survey of Kansas

Foss.
Bed
Mbr.
Fm.

T. 6S S., R 8E

County Pottawatomie

Sec 30



Locality description CMI Site 2C - Northwest corner of Pawnee
RA and Plum Hollow Rd., 20 yds N. of fence.

Elevation 1393'

Measured by G. Worthington

Date 12-18-06

Remarks Sunny, 40° GPS: N 39.50116° W 96.58097

Bed No.

Description

UNIT

JOB#

Cur

Th.

+ Th

Thickness

Th.

Overburden

8.8'

8.8'

8.8'

12 Top 5' - brownish-black (SYR 2/1) clayey
11 soil. At 8', moderate olive brown (SY 4/4)
6 clay mixed with white 1-2 mm grains (0'-8.8')

1: 7.0 10.0'

18.8'

2: 9.5' 10.0'

28.8'

Notes: 2' cavity at approximately 10' depth. Some till
5 present. Limestone ledge begins at about 13.5'

3: 10.0' 10.0'

38.8'

10 (8.8'-10.5') Till

1.7

9 (10.5-12.5') Cavity

2.0'

4: 9.9' 10.0'

48.8'

8 (12.5'-13.5') Carbonaceous Shale, yellowish gray
4 (SY 8/1) to pale yellowish orange (10YR 8/6). Very
40 fine sand grains, well sorted. Dentritic.

1.0'

5: 10.1' 10.0'

58.8'

6: 10.0' 10.0'

68.8'

7 (13.5-20.2) Limestone. Grayish orange (10YR 7/4) to
50 grayish yellow (5Y 8/4) molluscan packstone in the
upper part. Sandy-silty mudstone in the lower part.

6.7'

7: 9.9' 10.0'

78.8'

8: 9.7' 10.0'

88.8'

6 (20.2'-24.7') Carbonaceous Shale. Medium light gray (N6)
3 to medium gray (N5), lightly micaceous hard blocky or platy
shale.

4.5'

9: 9.6' 9.8'

98.6'

5 (24.7-30.2) Yellowish gray (5Y 8/1) Mudstone with
60 intervals of yellowish gray (5Y 7/2) molluscan pack-
stone. Dissolution of molluscan fauna has created a
ratty or vuggy texture.

5.5'

4 (30.2-43.7) Carbonaceous Shale. light gray (N7) to
70 medium gray (N5) carbonate shale w/ molluscan, crinoid,
whole & fragments - enough to be considered wackestone -
packstone

13.5

3 (43.7-72.5) Limestone. Extremely variable. Generally a
80 medium gray (N5) packstone with shelly fauna, shaly
partings and chert beds. Lower part has sandy or
oolitic constituents/appearance.

28.8'

2 (72.5-95') Variegated, mottled blocky shale

22.5

1 (95-98.4) Shale - with mildly carbonate grainstone
with much dissolving, extremely porous intervals
1 off white - very light gray (

3.6

68.2
2.5