

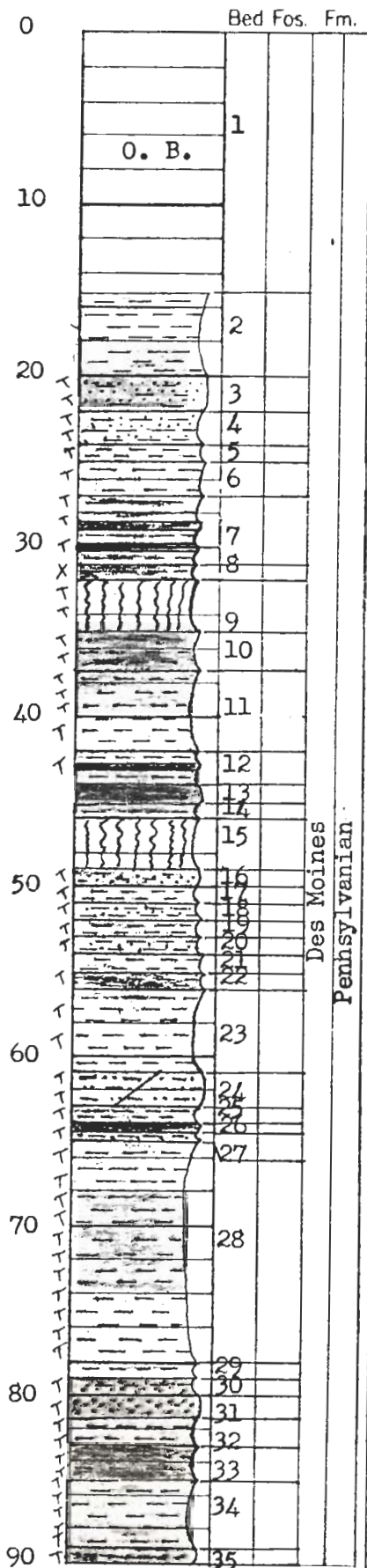
County Boone

SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$

Sec. 13

T 84 N.

R. 27 W.



Location -

Altitude - 935.29'

Measured by - Northup

Date - Feb. 14 - 15, 1956

Remarks - Fort Dodge, Des Moines, & Southern R. R., Boone Chamber

Bed	Description	Thickness
1	Overburden, sand and gravel 0 - 15'; light gray shale and gravel in lower level (driller's log).	15.0'
2	Shale, light gray with streaks of buff, micaceous.	5.0'
3	Sandstone, light gray, fine, micaceous, argillaceous.	2.0'
4	Shale, light gray, sandy, micaceous.	2.0'
5	Shale, buff, clayey.	1.0'
6	Shale, light gray, clayey, laminated.	2.0'
7	Shale, very dark to black, carbonaceous; few coal streaks	4.0'
8	Shale, black, carbonaceous, pyritiferous.	1.0'
9	Underclay, light gray, silicious, lumpy.	3.0'
10	Shale, black, carbonaceous, laminated.	2.3'
11	Shale, very dark gray, laminated to lumpy.	4.7'
12	Shale, as above, and black with streaks of coal.	2.0'
13	Coal	1.3'
14	Shale, medium gray.	.7'
15	Underclay, light gray.	2.7'
16	Sandstone, light gray, fine, argillaceous.	1.3'
17	Shale, very light gray.	1.0'
18	Shale, medium gray, sandy.	1.0'
19	Shale, greenish gray, waxy.	1.0'
20	Shale, light gray, silty.	1.0'
21	Shale, dark gray.	1.3'
22	Shale, black	.7'
23	Shale, dark gray, laminated, micaceous.	5.0'
24	Siltstone, light gray, micaceous, argillaceous.	2.0'
25	Shale, medium gray.	1.0'
26	Coal.	.4'

Iowa Geological Survey, Iowa City

County _____

Sec. _____

T. _____

R. _____

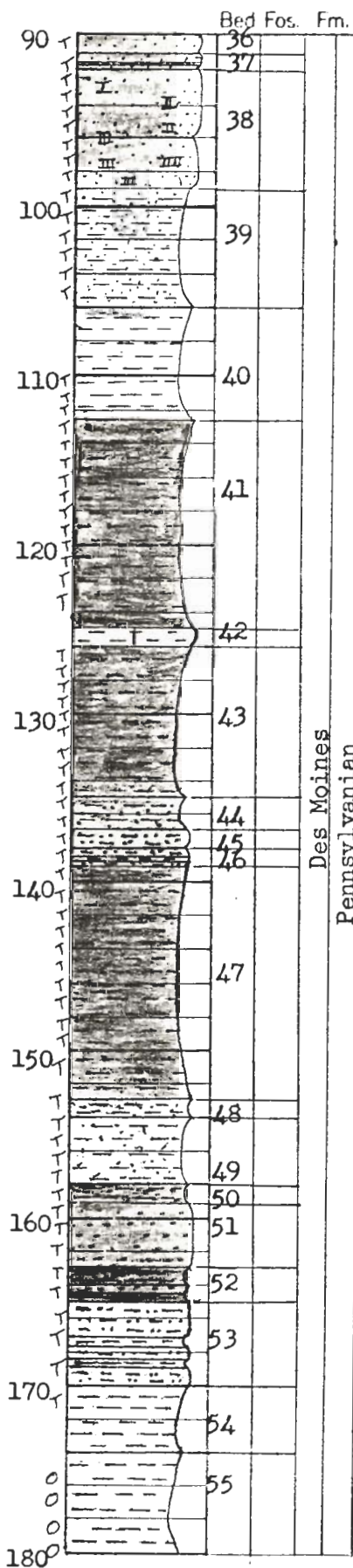
Location - _____

Altitude - _____

Measured by - _____

Date - _____

Remarks - _____



Bed	Description	Thickness
27	Shale, medium gray, sandy.	.6'
28	Shale, dark gray, laminated.	13.0'
29	Shale, dark gray to black, laminated.	1.0'
30	Shale, dark gray, laminated, sandy.	1.0'
31	Sandstone, light gray, fine.	1.5'
32	Shale, dark gray, massive.	1.5'
33	Shale, black, massive.	2.0'
34	Shale, very dark gray, laminated.	4.3'
35	Siltstone, light gray coarse.	.7'
36	Sandstone, light gray, fine.	1.0'
37	Sandstone, light gray, very fine, with a shale streak.	1.0'
38	Sandstone, light gray, fine, calcareous.	7.0'
39	Shale, dark gray, sandy, (incomplete recovery).	7.0'
40	Shale, very dark gray, massive.	6.3'
41	Shale, black, laminated.	12.7'
42	Limestone, dark gray, fine, argillaceous.	1.0'
43	Shale, black, laminated, vitreous, carbonaceous.	9.0'
44	Shale, light gray, silty.	2.0'
45	Siltstone, light gray, coarse.	1.0'
46	Siltstone, as above, mixed with shale.	1.0'
47	Shale, black, flakey, laminated.	14.0'
48	Shale, dark gray and black, silty, gritty.	1.0'
49	Shale, dark gray, sandy.	4.0'
50	Shale, dark gray and black, very sandy.	1.3'
51	Sandstone, light gray, very fine.	3.7'
52	Shale, black, laminated with streaks of sandstone.	2.0'

Iowa Geological Survey, Iowa City

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240
195

County _____

Sec. _____

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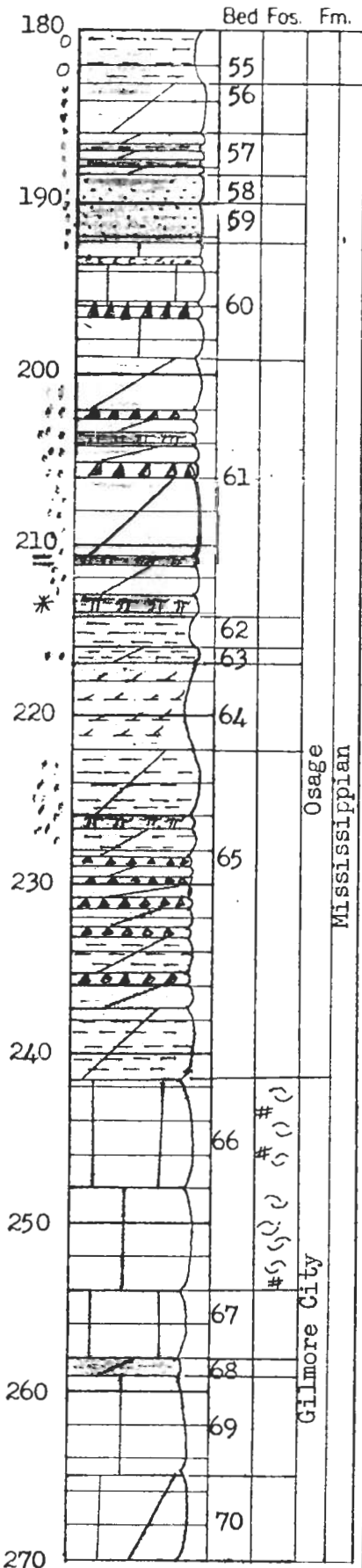
Location - _____

Altitude - _____

Measured by - _____

Date - _____

Remarks - _____



Bed	Description	Thickness
53	Siltstone, gray with streaks of shale.	5.0'
54	Shale, dark gray to greenish gray	4.0'
55	Shale, greenish gray, lumpy, siderite pellets.	9.0'
56	Dolomite, cream, fine.	3.0'
57	Dolomite, as above, with streaks of green glauconitic shale.	2.5'
58	Sandstone, light green, glauconitic,	1.5'
59	Sandstone, as above.	2.2'
60	Limestone, cream, fine, glauconitic; chert, light gray to white, smooth, opaque; limestone, fine, cream, glauconitic in lower portion of bed.	6.8'
61	Dolomite, cream, fine, very glauconitic; chert, light gray, smooth, opaque; chalcedony, bluish gray, drusy, glauconitic; chert, grayish white, smooth; dolomite light gray, fine, granular, very glauconitic; quartz, milky; dolomite as above in same bed; quartz, crystalline, vuggy.	15.2'
62	Shale, light gray, clayey, laminated.	1.8'
63	Dolomite, gray, fine, argillaceous, very glauconitic.	1.0'
64	Shale, light to medium gray, clayey, laminated, hard, dolomitic.	5.0'
65	Dolomite, gray, fine, very glauconitic; chalcedony, bluish gray, drusy; dolomite, gray, fine, very argillaceous; streaks of chert, light gray, smooth; dolomite, tan fine, granular slightly vuggy; dolomite, light gray, very fine, very argillaceous.	19.8'
66	Limestone, cream, fine, fossiliferous.	12.2'
67	Limestone, cream to tan, coarse, fossiliferous - fossils mostly replaced by calcite.	4.0'
68	Dolomite, brown, fine, granular.	1.0'
69	Limestone, brown, fine.	6.0'
70	Limestone, tan, light brown, slightly dolomitic.	5.0'
71	Limestone, tan, few oolites from 272' - 273'.	4.0'

Iowa Geological Survey, Iowa City

County _____

Sec. _____

T. _____

R. _____

270

Bed Fos. Fm.

Location - _____

Altitude - _____

Measured by - _____

Date - _____

Remarks - _____

280

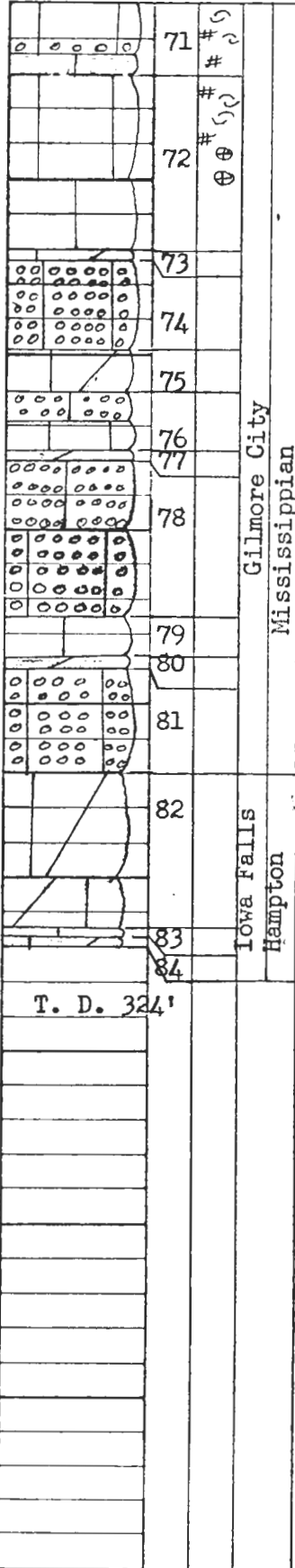
290

300

310

320

330



Bed Description Thickness

72 Limestone, cream, tan, very fossiliferous, calcitic. 10.0'

73 Limestone, gray to cream, hard, slightly dolomitic. .5'

74 Limestone, cream, oolitic. 5.0'

75 Limestone, brown, dolomitic. 2.5'

76 Limestone, tan, oolitic; becoming limestone, brown, fine. 3.5'

77 Dolomite, brown, fine. .5'

78 Limestone, cream, fine, oolitic. 9.0'

79 Limestone, cream, fine. 2.5'

80 Dolomite, brown, fine. .5'

81 Limestone, cream, oolitic. 6.0'

82 Dolomite, brown, fine, calcareous. 9.0'

83 Limestone, cream, medium to fine, .5'

84 Dolomite, brown, calcareous. .5'

Note

See Tech file for results of ls & sh analyses made by Eugene, 1956

Sampled for Spores - Rain 1981