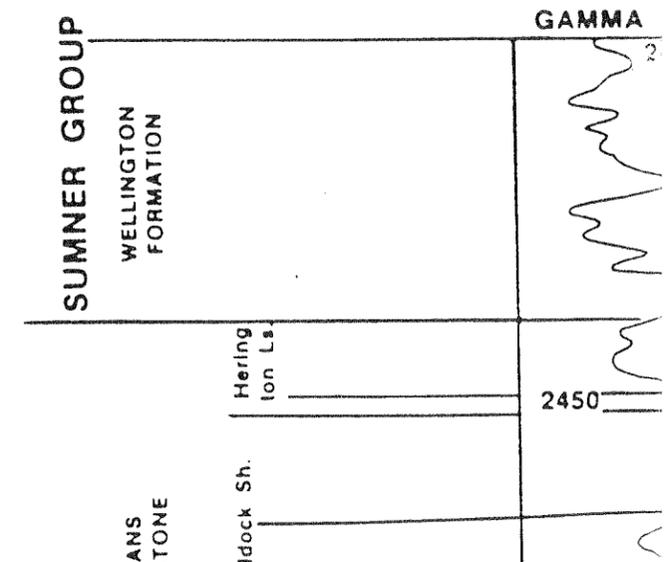
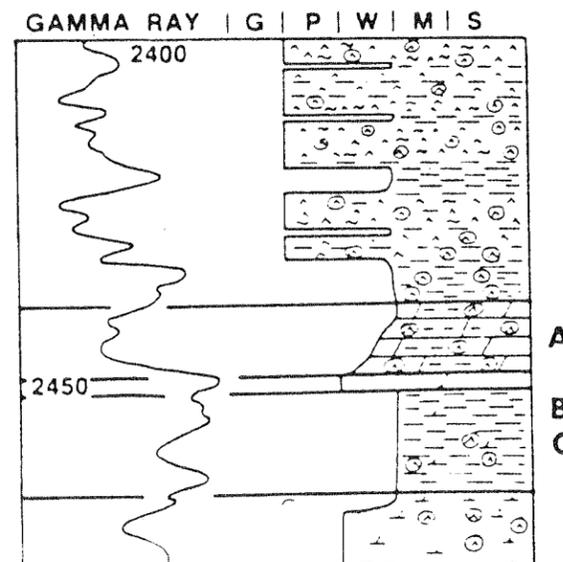
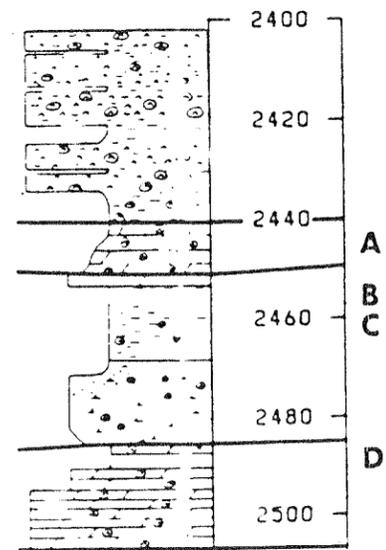
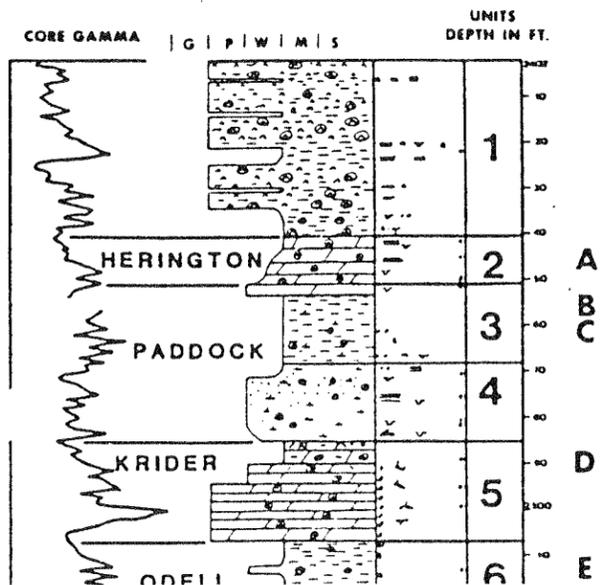


Exhibit No. 21
 Docket No. C-164
 Date: FEBRUARY 15, 1985
 Witness: G.D. HINTERLONG

Exhibit No. 17
 Docket No. C-164
 Date: FEBRUARY 15, 1985
 Witness: G.D. HINTERLONG

Exhibit No. 12
 Docket No. C-164
 Date: FEBRUARY 15, 1985
 Witness: G.D. HINTERLONG

Exhibit No. 10
 Docket No. C-164
 Date: FEBRUARY 15, 1985
 Witness: G.D. HINTERLONG



STRATIGRAPHIC COLUMNS

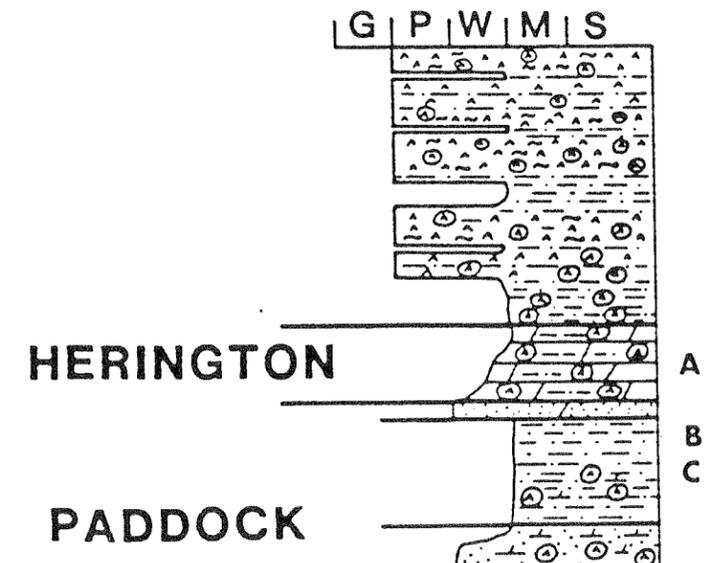
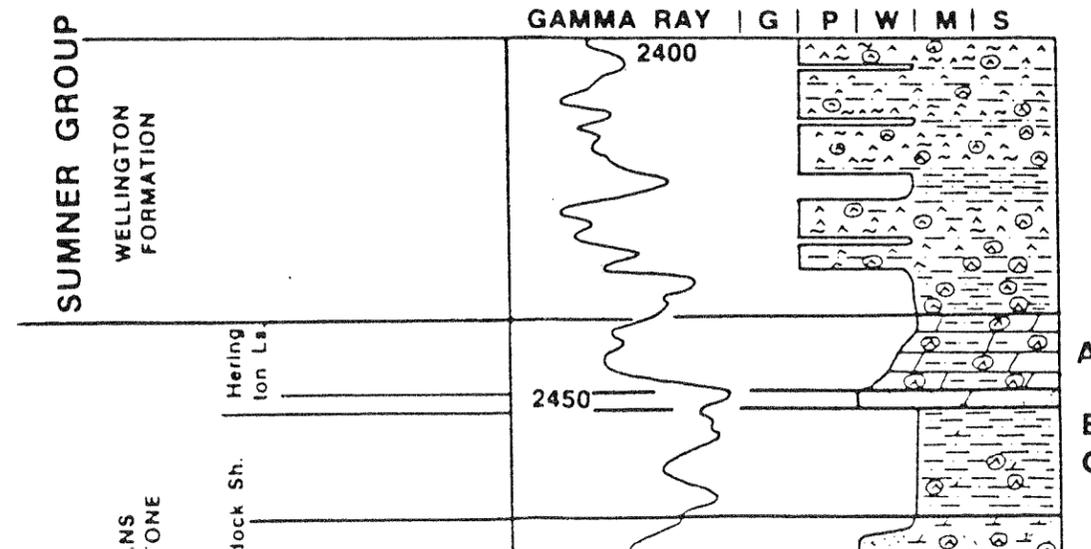
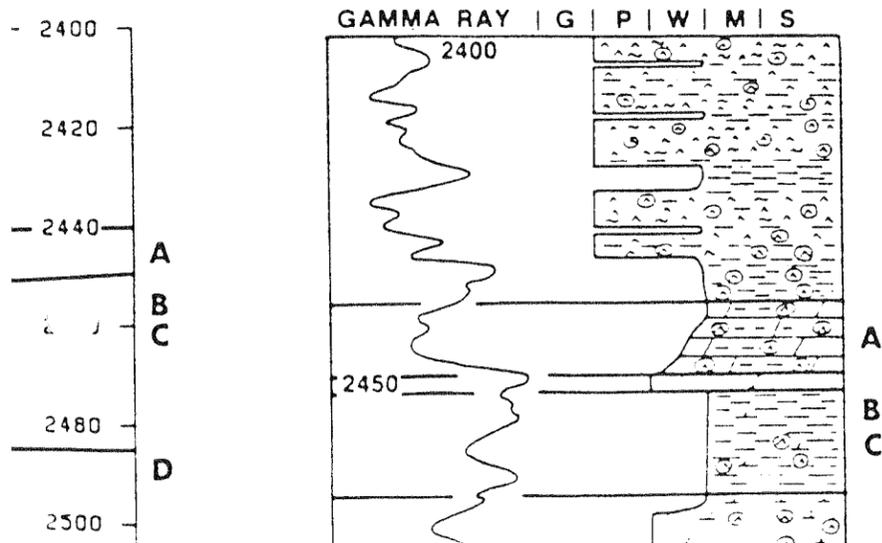
**CITIES SERVICE COMPANY
GARDEN CITY E-2
32-23S-34W
FINNEY CO., KANSAS**

17
15, 1985
WINTERLONG

Exhibit No. 12
Docket No. C-164
Date: FEBRUARY 15, 1985
Witness: G.D. HINTERLONG

Exhibit No. 10
Docket No. C-164
Date: FEBRUARY 15, 1985
Witness: G.D. HINTERLONG

Exhibit No. 11
Docket No. C-164
Date: FEBRUARY 15, 1985
Witness: G.D. HINTERLONG



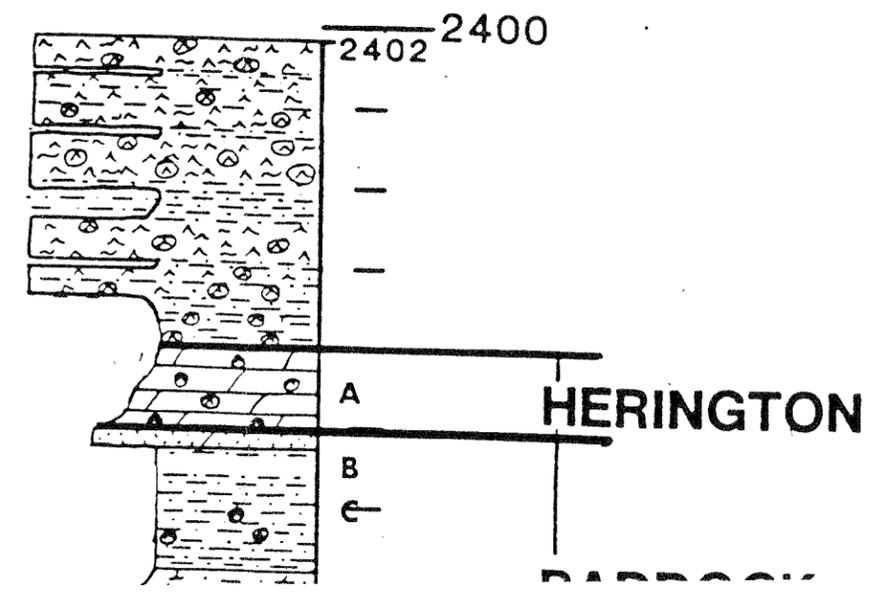
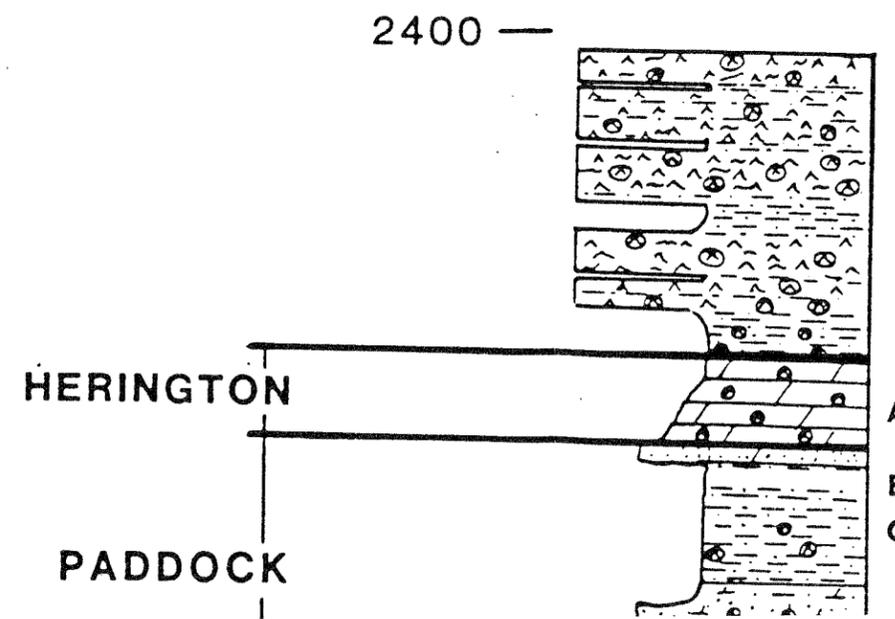
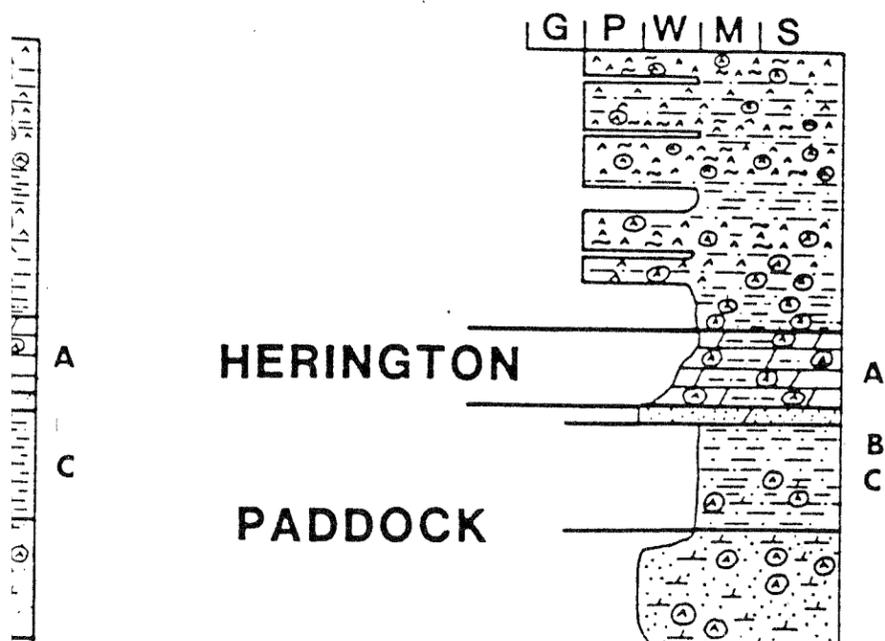
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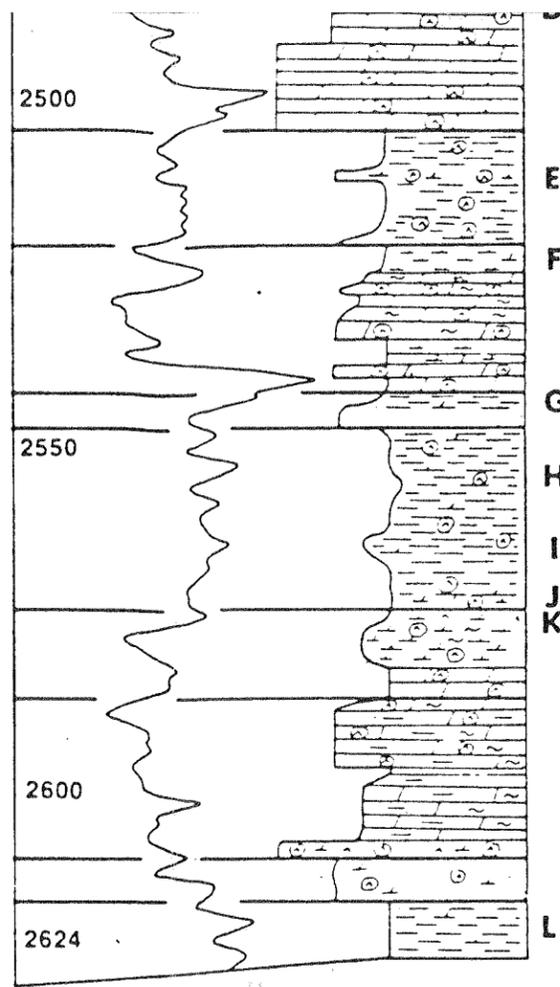
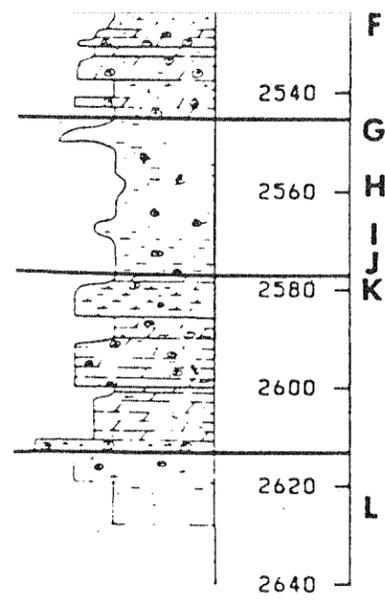
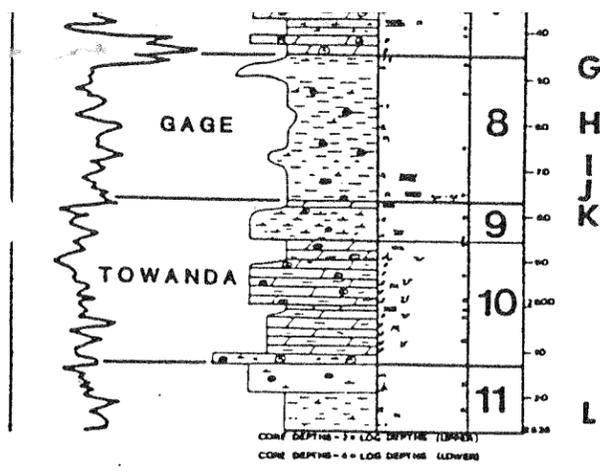
ENGINEERING SERVICE COMPANY
WARDEN CITY E-2
32-23S-34W
WAGONER CO., KANSAS

Exhibit No. 11
 Docket No. C-164
 Date: FEBRUARY 15, 1985
 Witness: G.D. HINTERLONG

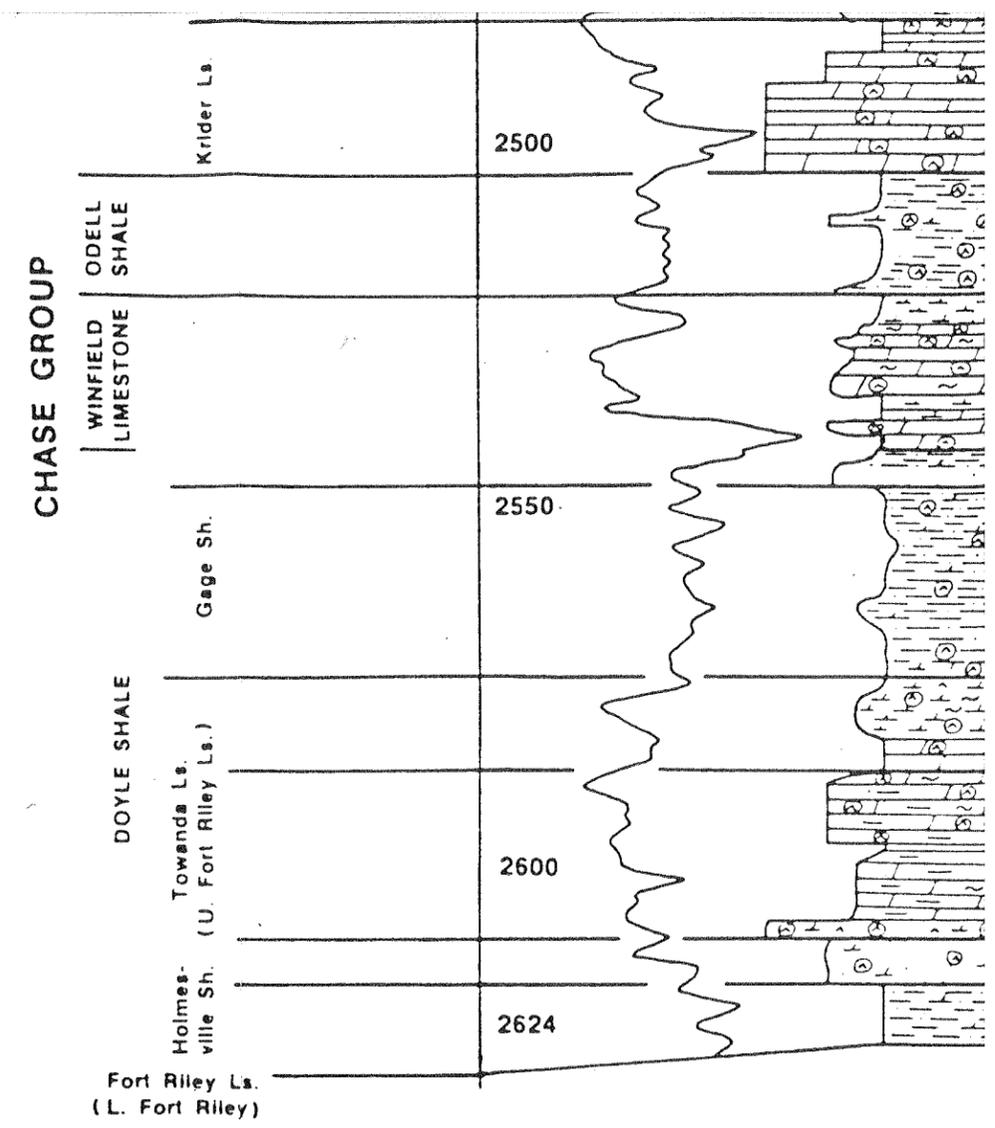
Exhibit No. 13
 Docket No. C-164
 Date: FEBRUARY 15, 1985
 Witness: G.D. HINTERLONG

Exhibit No. 14
 Docket No. C-164
 Date: FEBRUARY 15, 1985
 Witness: G.D. HINTERLONG

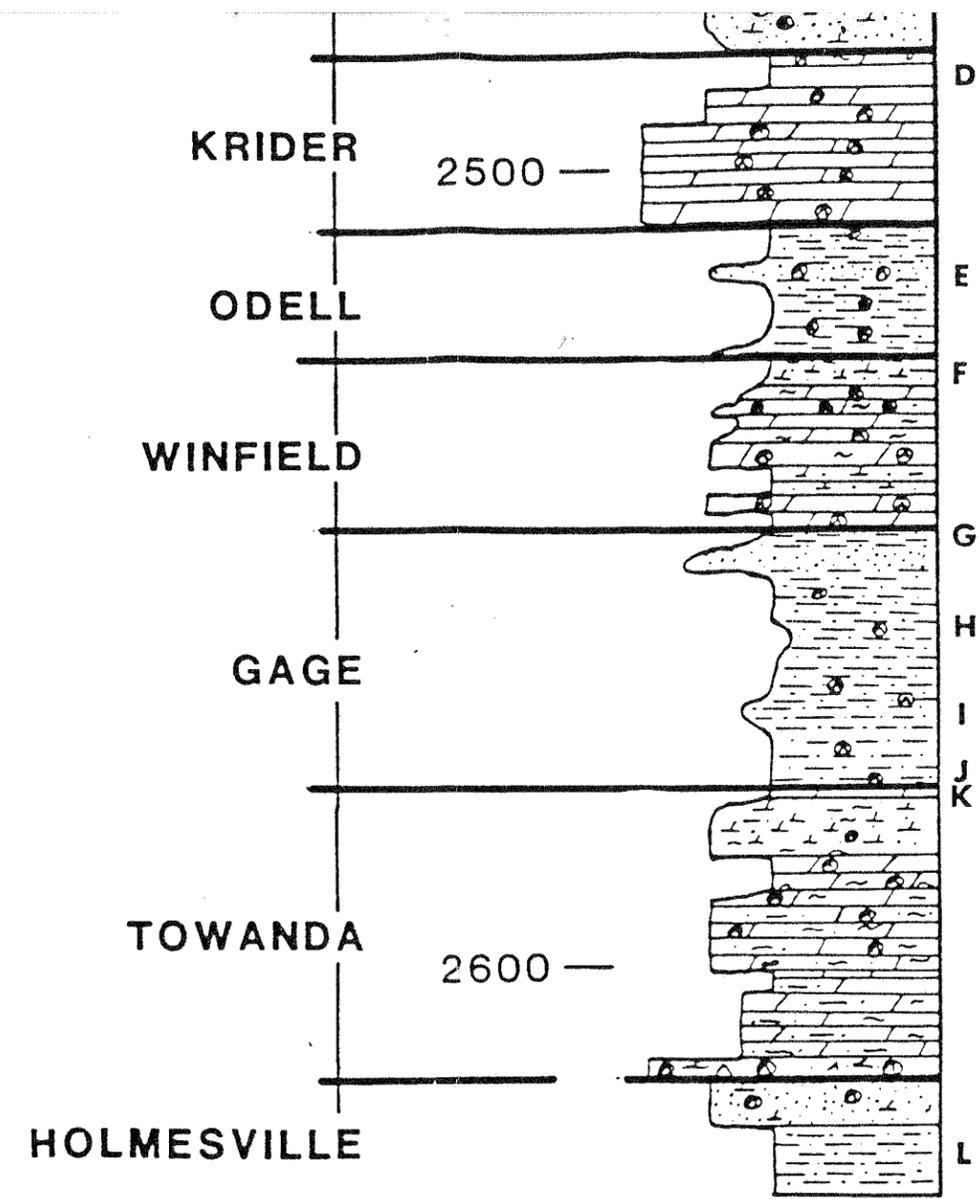
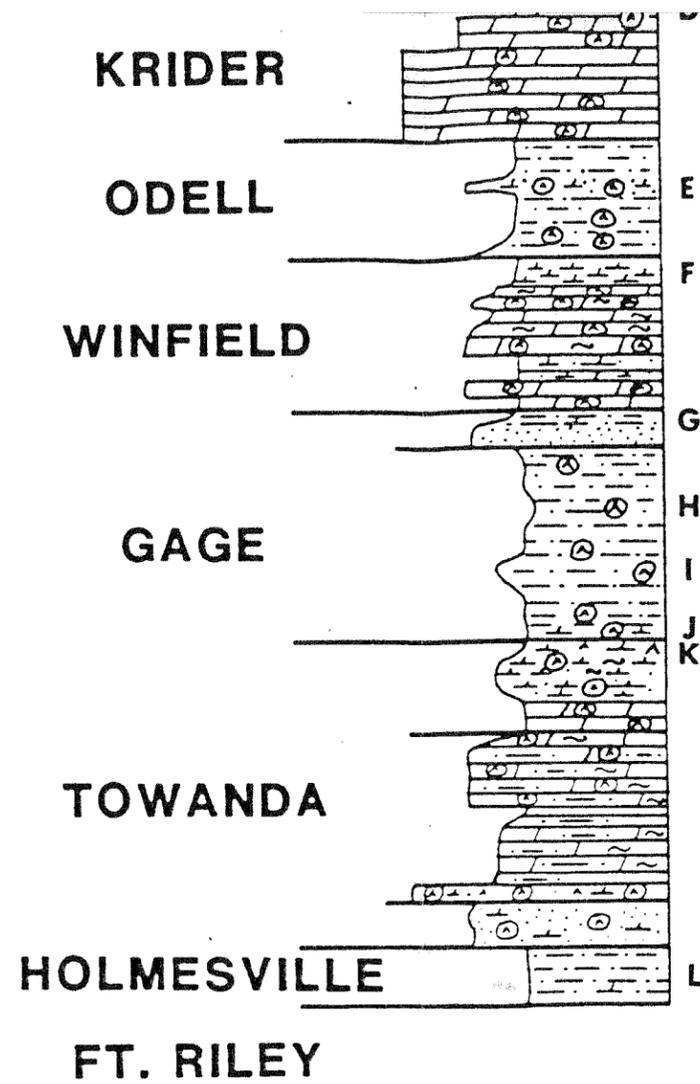
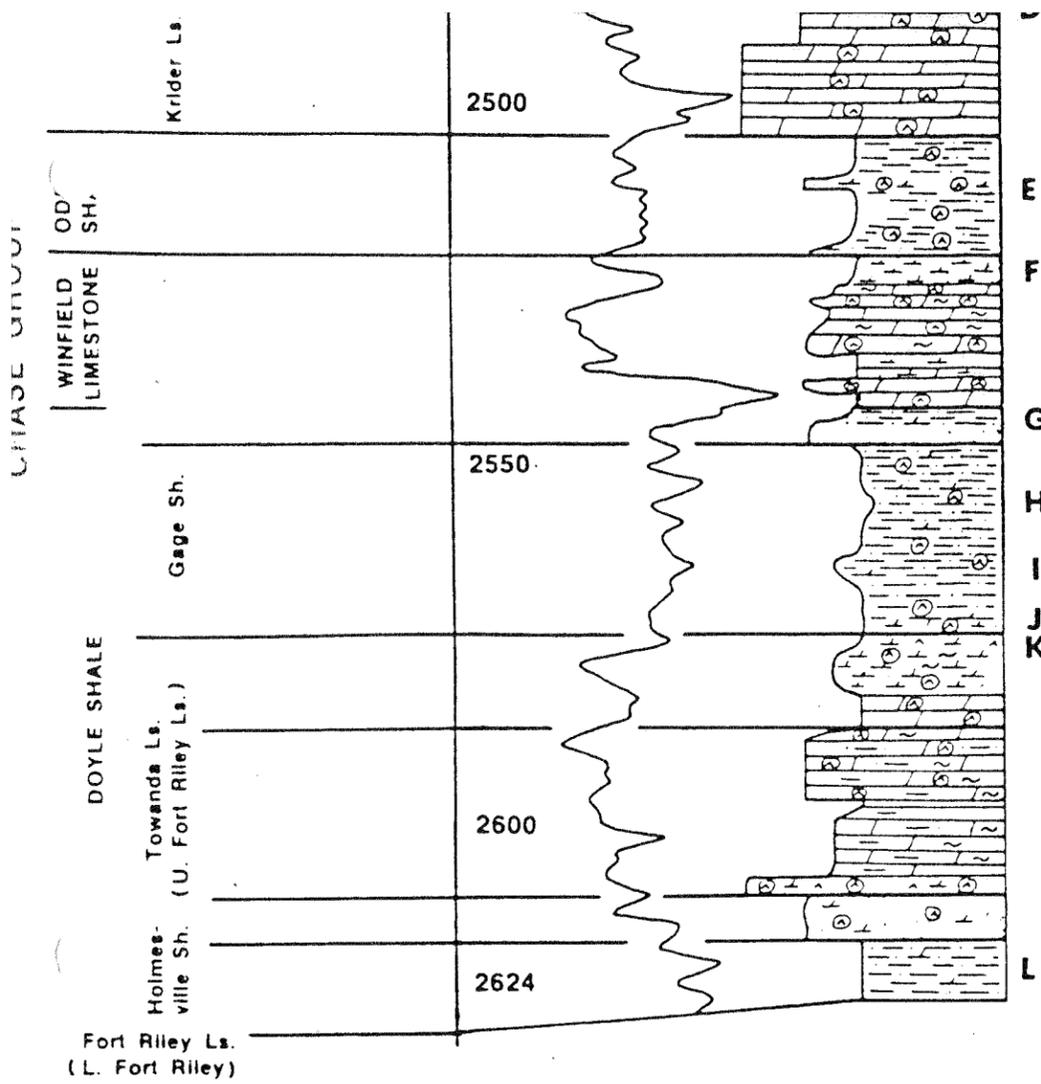




Log Depth + 2 = Core Depth (Upper Interval)
 Log Depth + 4 = Core Depth (Lower Interval)



Log Depth + 2 = Core Depth (Upper Interval)
 Log Depth + 4 = Core Depth (Lower Interval)



Log Depth + 2 = Core Depth (Upper Interval)
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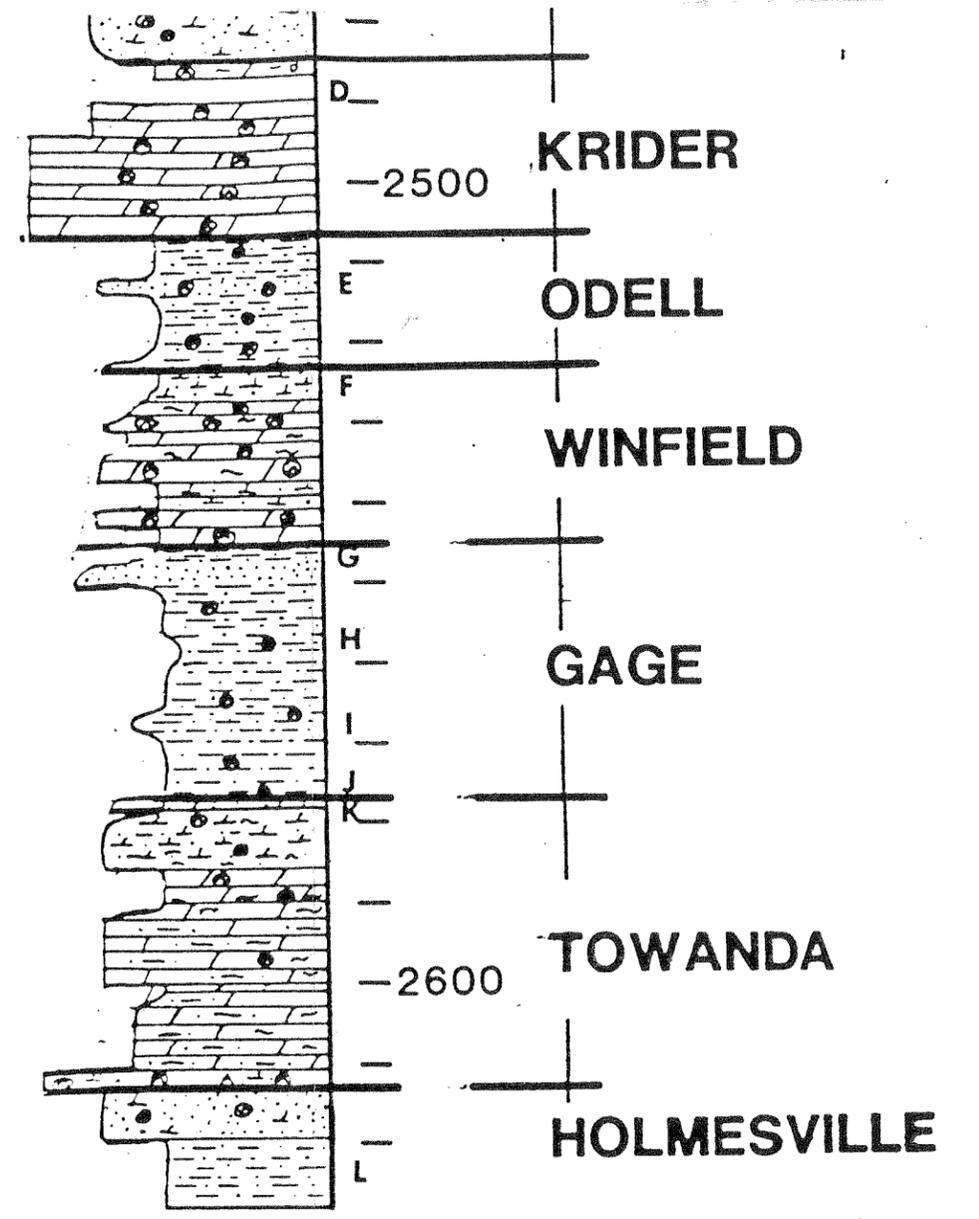
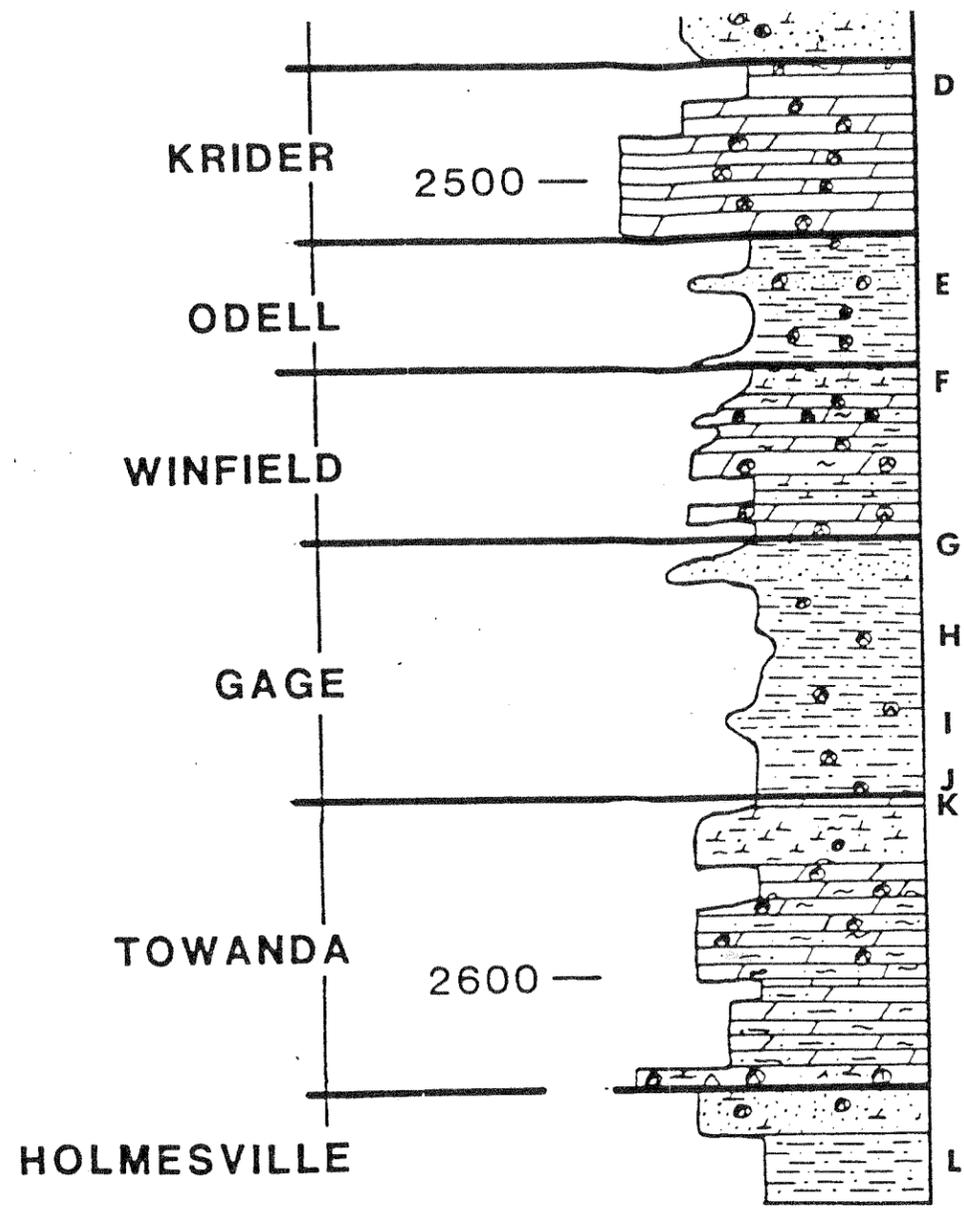
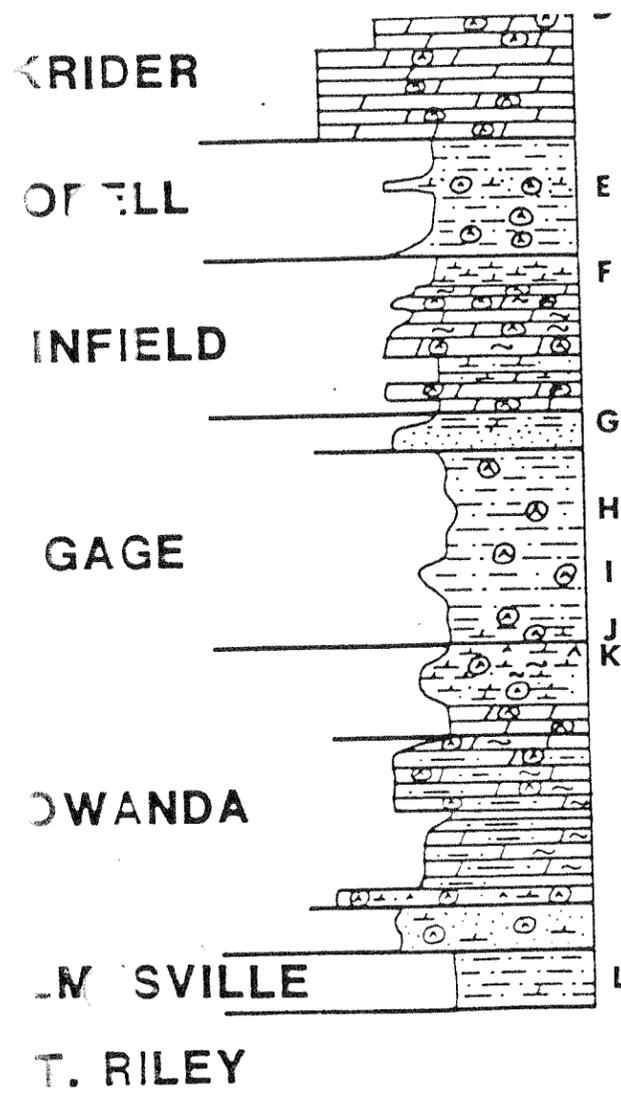


Exhibit No. _____ (CEB-1)
 Docket No. C-164
 Date: MAY 22, 1985
 Witness: CURTIS E. BRECKON