

(K) #6 G. H. Collins; Sinclair Oil & Gas; C, SE, NE 30-23-14E.

1661'

- (1) Cavusgnathus fragment
- (2) Taphrognathus varians
- (1) Neoprioniodus
- (2) Metalonchodina ?
- (2) Ligonodina levis
- (1) Hindeodella
- (3) fragments

1662'

- (1) Taphrognathus varians
- (1) Neoprioniodus tulensis

1663'

- (1) Taphrognathus varians
- (1) Neoprioniodus tulensis
- (1) Ligonodina levis

1664'

- (2) Taphrognathus varians
- (2) Neoprioniodus tulensis
- (1) Cavusgnathus ? fragment
- (1) Hibbardella ortha
- (2) Ligonodina
- (1) Gnathodus ? texanus ?

1665'

- (3) Hibbardella abnormis ?
- (2) Neoprioniodus tulensis
- (1) Ozarkodina ?
- (1) Ligonodina
- (3) fragments

1666'

- (1) Cavagnathus
- (6) Taphrognathus
- (2) Ozarkodina
- (1) Ligonodina levis
- (1) Neoprioniodus

1667'

- (2) Hindeodella
- (1) Hibbardella ortha ?
- (4) Taphrognathus
- (1) fragment

1668'

- (3) Taphrognathus varians
- (1) Neoprioniodus loxus
- (1) Neoprioniodus tulensis
- (2) Ligonodina
- (3) ????

1669'

- (9) Taphrognathus varians
- (1) Gnathodus texanus
- (1) Taphrognathus or Cavusgnathus
- (2) Neoprioniodus tulensis
- (1) Ligonodina
- (1) Hindeodella

1670'

- (4) Taphrognathus
- (2) ????

1675'

- (1) Cavusgnathus regularis ?

1676' - no specimens.

1677' - no specimens.

1678'

- (1) Cavusgnathus ? fragment
- (1) ????

1679' - no specimens.

1680'

- (3) Ligonodina
- (1) Taphrognathus ?
- (1) ????

1681'

- (1) Cavusgnathus fragment

1682'

- (1) Cavusgnathus fragment

1683'

- (1) Cavusgnathus unicornis
- (1) Taphrognathus varians (worn)
- (1) Hibbardella
- (2) Spathognathodus
- (1) (1) Neoprioniodus
- (2) Ligonodina
- (1) Synprioniodina
- (1) Lonchodina ?
- (1) Hindeodella
- (1) ????
- (2) fragments

1684'

- (1) Ligonodina levis
- (1) Taphrognathus or Cavusgnathus fra

1685'

- (1) Taphrognathus varians
- (1) Ligonodina levis
- (1) ????

1686' - no specimens.

1687'

- (13) Taphrognathus varians
- (1) Gnathodus texanus
- (1) Neoprioniodus tulensis
- (1) Lonchodina ?

1688'

- (1) Taphrognathus varians
- (4) Ligonodina ? fragments
- (2) fragments

1689'

- (1) Cavusgnathus convexa

1690'

- (1) Cavusgnathus fragment
- (4) Cavus. or Taph. fragments
- (1) Taphrognathus varians
- (1) Ligonodina
- (1) Gnathodus texanus

1691'

- (3) Taphrognathus varians
- (4) Taphrognathus fragments
- (3) Neoprioniodus tulensis
- (7) Ligonodina
- (1) ????

1692' - no specimens.

1693'

- (4) Gnathodus texanus
- (1) Taphrognathus fragment

TOTALS: 29 samples
 155 specimens

		<u>Cavusgnathus convexa</u>	<u>C. regularis</u>	<u>C. unicornis</u>	<u>Gnathodus texanus</u>	<u>Hibbardella ortha</u>	<u>Hindeodella sp. Ind.</u>	<u>Ligonodina levis</u>	<u>L. roundyi</u>	<u>Neoprioniodus loxus</u>	<u>N. roundyi</u>	<u>N. tulensis</u>	<u>N. varians</u>	<u>N.? concavus</u>	<u>Spathognathodus cristula</u>	<u>Taphrognathus varians</u>
1661		-	-	-	X	X	-	X	-	X	X	X	-	X	-	X
		-	X	-	X	X	X	-	X	X	-	X	-	-	-	X
1680		-	-	X	X	-	-	-	-	-	-	-	X	-	-	-
		X	-	-	X	-	-	-	-	-	-	X	-	-	X	X
1693		-	-	-	X	-	-	-	-	-	-	X	-	-	-	X

Figure 19. #6 H. G. Collins, elevation 1134 feet. Stratigraphic interval sampled and conodont species recovered.

P. #6 H. G. Collins; Sinclair Oil and Gas Co.; C
SE NE sec. 30, T. 23 S., R. 14 E.; Woodson County, Kansas
(Fig. 19).

The top card of this well has identified only the top of the Mississippian at a depth of 1654 feet. The conodont fauna indicates the upper portion of the St. Louis Formation lies above the depth of 1685 feet, containing Cavusgnathus regularis Youngquist and Miller and C. unicornis Youngquist and Miller. Below 1685 feet are rocks of Salem equivalence, containing Taphrognathus varians Branson and Mehl as the common form, and a few Gnathodus texanus Roundy. This lower sequence lies within the upper portion of the Taphrognathus varians - Apatognathus? Assemblage Zone.