(L) #12 W. P. Headley "A"; Sinclair Oil & Gas; SE, NW, NW 32-23-14E.
Woodson Co., Kansas.
Tops: Miss. - 1667'
T.D. 1745' /

1686' - no specimens. (1686-87")

1688'
(1) Taphrognathus varians

1689' - no specimens.
1690' - no specimens.

1691'
(3) Taphrognathus varians
(1) Cavusgnathus regularis?
(3) Ligonodina levis
(2) Hindeodella
(1) Neoprioniodus
(2) Magnilaterella?
(1) ????

1692' - no specimens.

1693'
(1) Neoprioniodus loxus
(2) Neoprioniodus tulensis
(1) Ligonodina

1694'
(4) Taphrognathus varians
(1) Neoprioniodus
(2) Ligonodina
(5) fragments

1695'
(12) Taphrognathus varians
(3) Neoprioniodus loxus
(1) Neoprioniodus tulensis
(1) Hindeodella
(3) Ligonodina

1696'
(2) Taphrognathus varians
(1) Hindeodella
(1) Magnilaterella ??
(1) Ozarkodina

1697' - no specimens.

1698'
(8) Taphrognathus varians
(6) Neprioniodus tulensis
(3) Ligonodina
(3) fragments

1699'
(8) Taphrognathus varians
(3) Ligonodina
(1) Neoprioniodus tulensis

1700'
(1) Ligonodina levis
(1) Ligonodina
(1) Neoprioniodus
(1) Magnilaterella ??
(1) Taphrognathus ?? fragment

1701'
(7) Taphrognathus varians
(2) Neoprioniodus tulensis

1702'
(2) Taphrognathus varians
(1) Ligonodina
(1) Neoprioniodus

1703'
(8) Taphrognathus varians
(1) Spathognathodus
(4) Ligonodina
(4) Magnilaterella ??

1704'
(12) Taphrognathus varians
(7) Ligonodina
(6) Neoprioniodus tulensis
(2) Neoprioniodus loxus
(1) Bactrognathus ?
(2) Magnilaterella ?
(4) Roundya ?

1705'
(13) Gnathodus texanus
(1) Taphrognathus varians
(1) Spathognathodus

1706'
(5) Gnathodus texanus

1707'
(19) Gnathodus texanus
(7) Taphrognathus varians
(1) Synprioniodina
(1) Cavusgnathus n. sp.
(2) Neoprioniodus tulensis
(1) Neoprioniodus loxus
(1) Ligonodina
(1) Kibbardella
(4) fragments

1708'
(19) Gnathodus texanus
(1) Taphrognathus varians
(1) Ligonodina

1709'
(21) Gnathodus texanus
(3) Taphrognathus varians
(1) Neoprioniodus loxus
(1) Ozarkodina

1710'
(1) Gnathodus texanus

1711'
(29) Gnathodus texanus
(1) Taphrognathus varians
(1) Ligonodina ?

1712'
(4) Gnathodus texanus
(1) Hindeodella

1713'
(4) Gnathodus texanus
(1) Ligonodina
(1) Magnilaterella ?

1714'
(8) Gnathodus texanus

TOTALS: 28 samples
309 specimens.

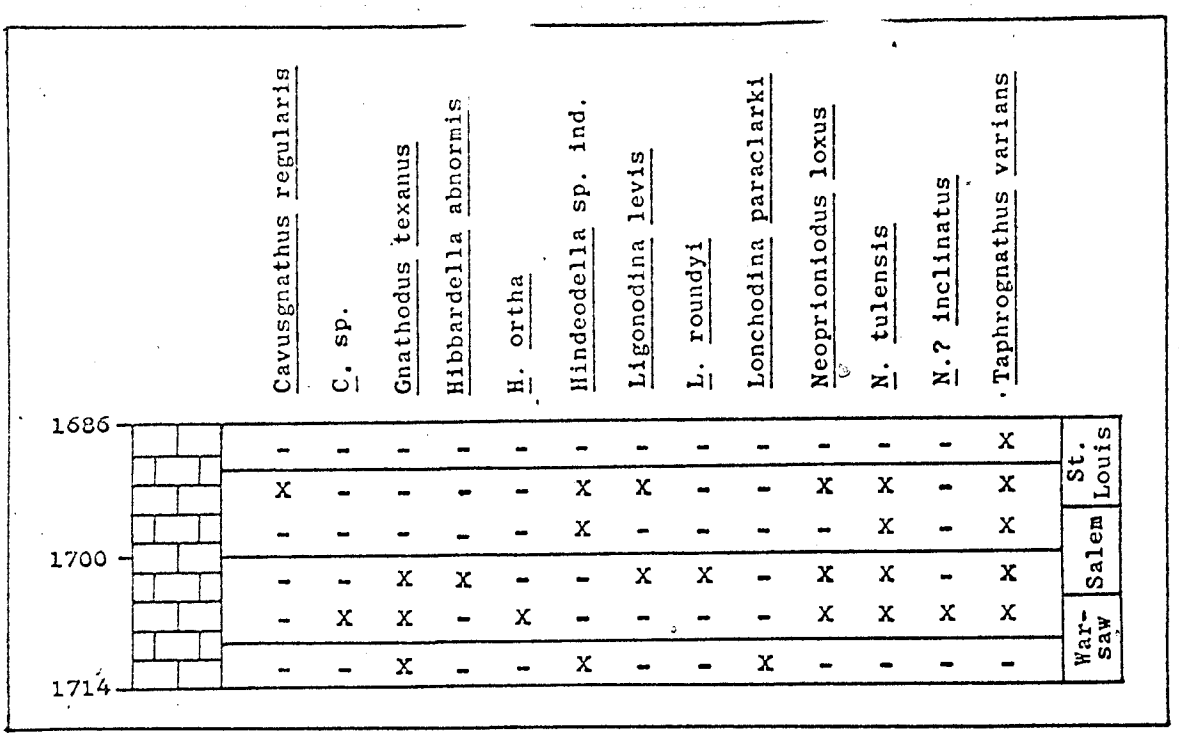


Figure 20. #12 W. P. Headley "A", elevation 1162 feet. Stratigraphic interval sampled and conodont species recovered.

Q. #12 W. P. Headley "A"; Sinclair Oil and Gas Co.; CW/2 SE NW NW sec. 32, T. 23 S., R. 14 E., Woodson County, Kansas (Fig. 20).

The drillers log and top card both identify only the top of the Mississippian at a depth of 1667 feet. The conodont fauna is like that of the #1 Dalton "B" core, containing St. Louis and Warsaw faunas with only about ten feet of Salem strata represented. Some lower St. Louis rocks may be present in this core, due to the presence of Taphrognathus varians and Cavusgnathus unicornis occurring together above the depth of 1700 feet. Below 1705 feet, Gnathodus texanus is very abundant.