Amoco Production Company

Denver Region
Amoco Building
1670 Broadway
Denver, Colorado 80202
303-830-4040

March 23, 1983

Mr. K. David Newell
KANSAS GEOLOGICAL SURVEY
1930 Avenue A, Campus West
University of Kansas
Lawrence, Kansas 66044

Dear David,

Enclosed are the calcareous microfossil data from Paul Brenckle's work. You received a rough copy of his data in my February letter. This enclosure represents a final copy.

Sincerely,

Chuck Sawyer

CS:dh

Enclosure

AMOCO PRODUCTION COMPANY
Tulsa, Oklahoma
February 22, 1983

83053ART0078

FILE: Technical Service 825370PS

TO: O. R. Hille, Denver Region

ATTN: C. W. Sawyer

SUBJECT: Calcareous Microfossil Identifications from Mississippian Core, Hugoton Embayment, Southwestern Kansas.

Attached is a list of Mississippian calcareous microfossils identified by P. L. Brenckle from nine wells in the Hugoton area. The Kansas Geological Survey supplied all the core for this study with the provision that Amoco provide microfossil identifications for any material used. The enclosed list contains identifications only of literature taxa and no confidential Amoco paleo data are included. Transmission of the identifications to the Kansas Survey would be appropriate.

ERIC R. MICHAELIS

By Charles F. Upshaw
Charles F. Upshaw

PLB:sdg
Attachment

cc: J. A. Babcock
L. C. Babcock
W. S. Davis, Denver Region
H. R. Lane
A. R. Ormiston
J. W. Parks, Denver Region
R. W. Sherwood, Denver Region

AMOCO PRODUCTION COMPANY
Tulsa, Oklahoma
February 22, 1983

83053ART0085

FILE: T.S. 825370PS

TO: C. F. Upshaw

SUBJECT: Calcareous Microfossils in Mississippian Core from the Hugoton Embayment, Southwestern Kansas

The following calcareous microfossils were found in Hugoton Mississippian cores supplied to us by the Kansas Geological Survey. The Denver Southern Division will forward these identifications to the Survey as part of our agreement for their use. The ages of most of these microfossils have been outlined in my memorandum of November 18, 1982, and discussed at the Hugoton Core Evalution meeting in Denver on December 9-10. Since the meeting, samples from the previously unstudied M.L.B. Maune 9 have been processed and supplemental thin sections made from the Pan Am Black A-7 and S.W. Maune 4 wells. Identifications from all these new samples are included in this report.

M. L. Brown Crist No. 4R, 31-21S-33W, Finney Co.

Sample (depth in ft)	Identification
4650.2	Barren
4656.8	indet. Endothyridae.
4661	indet. Endothyridae, indet. Aoujgaliaceae, Nodosarchaediscus sp., Calcisphaera sp., Diplosphaerina inaequalis, Endothyra sp.
4672	indet. Endothyridae, Nodosarchaediscus sp., Eoendothyranopsis sp., Endostaffella discoidea?, calcitornellid, Stacheoides sp.
4712.5	indet. Palaeotextulariidae.
4716.9	Archaediscus sp., Endothyra sp., Koninckopora minuta/pruvosti, Globoendothyra sp.
4721	Nodosarchaediscus sp., Eoendothyranopsis sp., Planoarchaediscus sp., indet. Salebridae, Archaediscus sp., Endothyra sp., Stacheoides sp., Kon-

Sample (depth in ft)	Identification
	inckopora minuta/pruvosti, Koninckopora tenuiramosa?