

See Pan Am Black A-7, 18-30N-33W,
Haskell Co., for full report



Amoco Production Company

Denver Region
Amoco Building
1670 Broadway
Denver, Colorado 80202
303-830-4540

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,

A handwritten signature in cursive script that reads "Chuck Sawyer".

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

<u>Sample (depth in ft)</u>	<u>Identification</u>
4692-93	<u>Endothyra</u> sp., <u>Eoendothyranopsis</u> ? sp., <u>Archaeodiscus</u> sp., <u>Nodosarchaediscus</u> sp., <u>Stacheoides meandriformis</u> , <u>Koninckopora minuta/pruvosti</u> .
4696	indet. <u>Endothyridae</u> , indet. <u>Aoujgaliaceae</u> , <u>Eoendothyranopsis</u> ? sp., <u>Calcisphaera</u> sp., <u>Diplosphaerina inaequalis</u> , <u>Globoendothyra</u> ? sp., <u>Tetrataxis</u> sp.
4699	<u>Proninella</u> sp., <u>Eoendothyranopsis</u> sp., <u>Koninckopora minuta/pruvosti</u> .
4749	<u>Endothyra</u> sp., <u>Asphaltina?</u> <u>cordillerensis?</u> , <u>Proninella</u> sp., <u>Koninckopora minuta/pruvosti</u> , <u>Earlandia clavatula</u> gp., <u>Globoendothyra</u> sp.
4764-65	<u>Endothyra</u> sp., <u>Eoendothyranopsis</u> sp., <u>Diplosphaerina inaequalis</u> , <u>Stacheoides</u> sp., <u>Archaeodiscus</u> sp., <u>Koninckopora minuta/pruvosti</u> , <u>Epistacheoides</u> sp., <u>Aoujgalia variabilis</u> , <u>Skippella</u> sp., <u>Eoendothyranopsis scitula</u> , <u>Globoendothyra</u> sp.
4766.5	<u>Eoendothyranopsis</u> sp., <u>Archaeodiscus</u> sp., <u>Diplosphaerina inaequalis</u> , <u>Endothyra</u> sp., <u>Asphaltina?</u> <u>cordillerensis?</u> , <u>Koninckopora</u> sp., <u>Stacheoides meandriformis</u> , <u>Eoendothyranopsis scitula</u> , <u>Koninckopora minuta/pruvosti</u> .
4777	indet. <u>Endothyridae</u> , <u>Pseudoammodiscus?</u> sp., <u>Nodosarchaediscus</u> sp., <u>Eoendothyranopsis?</u> sp., <u>Endostaffella discoidea?</u> , <u>Planoarchaediscus?</u> sp., <u>Calcisphaera</u> sp., <u>Endothyra</u> sp., <u>Koninckopora minuta/pruvosti</u> .

M. L. Brown Maune No. 8, 31-21S-33W, Finney Co.

<u>Sample (depth in ft)</u>	<u>Identification</u>
4732	<u>Endothyra</u> sp., <u>Asphaltina?</u> <u>cordillerensis?</u> , <u>Stacheoides</u> sp., <u>Koninckopora minuta/pruvosti</u> , <u>Globoendothyra</u> sp., <u>Globoendothyra piasae?</u> , <u>Koninckopora tenuiramosa?</u>
4739.5	indet. <u>Endothyridae</u> , <u>Calcisphaera</u> sp., <u>Archaeodiscus</u> sp., <u>Endothyra</u> sp., <u>Earlandia clavatula</u> gp., <u>Earlandia moderata</u> gp., <u>Tubisalebra?</u> sp.

M. L. Brown Maune No. 9, 31-21S-33W, Finney Co.

<u>Sample (depth in ft)</u>	<u>Identification</u>
4639-40	<u>Endothyra</u> sp., <u>Calcisphaera</u> sp., indet. <u>Aster-oarchaediscinae</u> ?, <u>Nodosarchaediscus</u> ? sp.
4644-45	<u>Endothyra</u> sp., <u>Pseudoammodiscus</u> ? sp., <u>Calcisphaera</u> sp.
4650	<u>Endothyra</u> sp., indet. <u>Archaediscidae</u> , <u>Diplosphaerina</u> <u>inaequalis</u> , <u>Nodasperodiscus</u> sp.
4657	<u>Endothyra</u> sp., " <u>Stacheoides</u> " <u>spissa</u> ?, indet. <u>Aoujgaliaceae</u> , <u>Stacheoides</u> sp., <u>Aoujgalia</u> <u>variabilis</u> , <u>Asphaltina</u> ? <u>cordillerensis</u> ?
4661-62	<u>Endothyra</u> sp., <u>Stacheoides</u> sp., <u>Koninckopora</u> <u>minuta/pruvosti</u> , <u>Tubisalebra</u> ? sp., <u>Salebra</u> sp.
4668-69	Barren
4688-89	<u>Endothyra</u> sp., <u>Calcisphaera</u> sp., <u>Diplosphaerina</u> <u>inaequalis</u> .
4753-54	<u>Endothyra</u> sp., indet. <u>Aoujgaliaceae</u> , <u>Eoendothyranopsis</u> sp., <u>Diplosphaerina</u> <u>inaequalis</u> , <u>Stacheoides</u> sp., <u>Archaediscus</u> sp., <u>Nodararchaediscus</u> sp., <u>Stacheoides</u> <u>meandriiformis</u> , <u>Koninckopora</u> <u>minuta/pruvosti</u> , <u>Aoujgalia</u> <u>variabilis</u> , indet. <u>Salebridae</u> .

M. L. Brown Maune No. 11, 32-21S-33W, Finney Co.

<u>Sample (depth in ft)</u>	<u>Identification</u>
4728	<u>Brunsia</u> sp., <u>Planoarchaediscus</u> ? sp., <u>Archaediscus</u> sp., <u>Endothyra</u> sp., <u>Asphaltina</u> ? <u>cordillerensis</u> ?, <u>Globoendothyra</u> sp., <u>Earlandia</u> <u>moderata</u> gp.
4735	<u>Diplosphaerina</u> <u>inaequalis</u> , <u>Endothyra</u> sp., <u>Asphaltina</u> ? <u>cordillerensis</u> ? <u>Globoendothyra</u> <u>piasae</u> ? <u>Earlandia</u> <u>moderata</u> gp., <u>Earlandia</u> <u>vulgaris</u> gp., <u>Rectangulina</u> sp.
4737	<u>Eoendothyranopsis</u> sp., <u>Archaediscus</u> sp., <u>Endothyra</u> sp., <u>Stacheoides</u> <u>tenuis</u> ?
4739	indet. <u>Aoujgaliaceae</u> , <u>Nodosarchaediscus</u> sp., <u>Eoendothyranopsis</u> ? sp., <u>Archaediscus</u> sp. <u>Endothyra</u> sp.