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UPPER

LOWER

LOWER

MIDDLE

৯৯৯

KIND.

MORROWAN, A.T. OKAN

DESMOINESIAN

MISSOURIAN

Arb.

Cke.

Marmaton

Kansas City

Lans.	D ¹
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10

Lamotte (Reagan) Ss.

Bonneterre Dol.

Gilmore City Ls

"Morrow" ss.?

Fort Scott Ls.

Labette Sh.

Bandera Sh

Nowata Sh.

Lenapah Ls.

eastanton

Ladore Sh
Hertha Is

Dennis Ls.
Galesburg Sh.

Drum Ls.
Cherryvale S

Chanute

Iola Ls.

1000 ft

Bonner Springs Sh.	
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Plattsburg Ls

Vilas Sh.

Stanton Ls.

Toronto Ls.

Freeman Smith

Cabot 1 - Palmer
NESW 30-15-41 W

Notes and remarks: Cheyenne Co. type by (K65)

[illegible]



CABOT CORPORATION P. O. BOX 1101, PAMPA, TEXAS

CABLE ADDRESS "CABLAK" PAMPA
TELEPHONE MOHAWK 4-2581

Box 721

November 13, 1963

Kansas Geological Survey
Paleontological Division
University of Kansas
Lawrence, Kansas

Gentlemen:

This letter covers a prepaid express freight shipment of parts of a core from a test hole we recently drilled and abandoned in Cheyenne County, Kansas. The core was pertinent in that shell fragments were found at about 5604' in the core, which was taken in the Reagan Sand. We felt you might be interested in dating the Reagan if possible, by the age range of these fossils, since to my knowledge fossils are not common to the Reagan. Identifying information is as follows:

Cabot Corporation No. 1 Palmer
Section 30-1S-41W
Cheyenne County, Kansas

Core No. 1: 5600 to 5645'; Recovered top 15 feet -- 5600 to 5615'.

Top Arbuckle -----5525'
Top Reagan Sand -----5596'
Total Depth -----5663' in Reagan

If you are unable to identify the shell fragments in the core, we have some core chips from the same interval which may contain more complete specimens. These can also be made available to you if necessary. You may keep or discard the samples when you are finished with them.

The brown stain in parts of the core samples was apparently caused by flushing action of the drilling mud. The hole was drilled with chemical-diesel emulsion mud which we believe flushed the permeable portions of the core. A chemical analysis could probably verify this.

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We hope you will find the core of interest and will appreciate a reply regarding any fossil identifications and corresponding age ranges you are able to make.

Yours very truly,

Kenneth Payne

Kenneth Payne

JP:jw

cc: CCH

