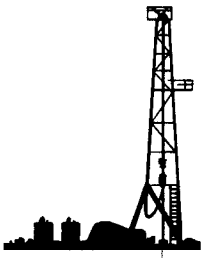


WALTERS DRILLING CO.

July 3, 1973

Dr. W. J. Ebanks, Jr.
Chief, Subsurface Geology Section
Kansas Geological Survey
1930 Avenue 'A' - Campus West
The University of Kansas
Lawrence, Kansas 66044

In your telephone call this morning you informed me that Dr. William C. McClain of ORNL had offered to donate to the Kansas Geological Survey four cores stored in the salt mine at Lyons, Kansas. You asked my opinion concerning the significance of these cores. I indicated that it is most unusual to have available rock cores such as those from the Barnett No. 1 Wright in Section 35, Township 19 South, Range 8 West, Rice County, Kansas, in which we cored the following:

1. Florence Flint (1415' to 1455');
2. Lecompton Limestone (2564' to 2604');
3. Douglas Sandstone (2783' to 2823');
4. Kansas City - 90' zone (3003' to 3043').

These cores should be preserved even though your storage space is limited.

You indicated you would accept my recommendation to preserve and store these cores, and accordingly I am enclosing for your information one copy of a geological report by Peter J. Stubbs which will provide you with details concerning this cooperative project financed by Oak Ridge National Laboratory in September and October, 1971.

Robert F. Walters

RFW:re
Enclosure: As stated above

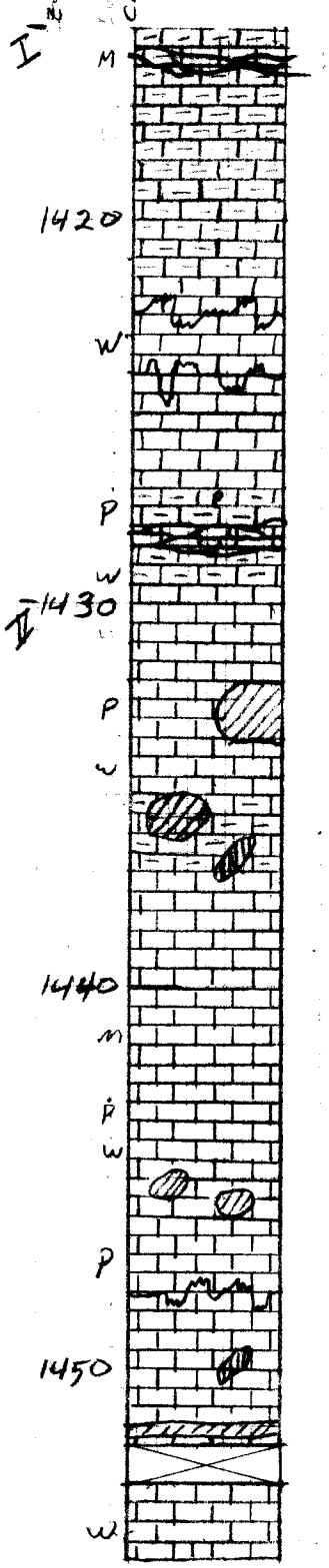
pc: Dr. William C. McClain

ROBERT F. WALTERS 400 INSURANCE BUILDING WICHITA, KANSAS 67202 316·265·6683

Barnett #1 Wright 35 19s 8w

M mudstone
W wackestone
P packstone

1415-55 Florence



Mudstone gray-green, indistinct mottled bedding, shell frag ip, carb ip, v arg, wave to rippled ip.
Limestone, light gy, mottled with horizontal "elements", abnt shell fragments, v. arg., burrowed ip, stylolitic, carb. material, Trace Anhy, good ppt ϕ, ~~good~~ dk
Limestone, becoming dark brown, aa

Limestone. lt-m brown aa, increasing stylolites, increasing fossils (fusilinids) bec "fossil hash" red-brn stain fossils increasing anhy, Tr pyr
Limestone lt-m brown aa, increase anhy, decrease dk
Limestone lt-m brown interbedded with black shale laminae, poorly developed stylolites, abnt whole fossils (fusilinids) Tr pyr red stain foss frag ip
Shale laminae ip ppt ϕ ek
Limestone, red brown, v. foss. "hash" v good pinpoint dk

Limestone, lt-m brown, horizontal bedding, Shale laminations in part, abnt Anhy (Nod to grains)
Limestone, red-brown, Fossil "Hash" bec lime mud, Abnt Anhy, lt blue-gy to black, (Wood, needles, fossils) 35-40% Anhy, LS bec v. mottled

Limestone becoming increasingly shaly, Anhy Nodules decreasing in size

Limestone, lt brn, (mudstone) abnt whole fusilinids, 20% anhy good pinpoint porosity

Limestone aa with increasing anhy, decreasing fossils
fusilinids aa

Limestone, lt brn Packstone, Anhy forms needles vs nodules

Limestone, lt-dk gy, horizontal bed, abnt fusilinids, Tr anhy poor ϕ ek fossils become Iron stain