Dome

E.O. Ulrich.

Notebook 27.

Missouri, 1916 - Kentucky, 1918.

U. S. GEOLOGICAL SURVEY
TRAVERSE BOOK

9-904

27

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Handwritten text, likely bleed-through from the reverse side of the page. The text is arranged in several paragraphs and is mostly illegible due to fading and the quality of the scan. Some words are difficult to decipher, but the structure appears to be a continuous narrative or report.

May 12, 1916. At Eminence, Mo. with Bamber & J. C. Davis.
section hill north of road, 0-1 1/2 miles S.E. of Eminence

Beginning at small concrete bridge
at south edge of quarry, and
continued ESE to top of high hill.

1-2 ft. Very coarse easily disintegrated gray dolomite

Top
2 ft. yellowish green, medium grained dol. with dendroid areas of coarsely cryst. dol. ^{often rather commonly} stained brownish with iron. These dendroid weather out & give surface a pitted appearance -

1 ft. similar to above but mostly with the dendroids & less pitted.

7' slightly finer grained ^{also} yellowish with streaks of brownish due to iron ^{thin horizontal} stain. One layer near middle with dendroids of calcite. Layers 2"-10" each.

1 ft. white chert, somewhat lamellar - very resistant

1 ft. Very coarse gr. dol.

3 ft. yellowish gray dol. with brownish arborescent spots. (as above)

3'-4' Gray, medium grained dol. no dendroids - Calcite masses in lower 1/2

1 ft. lamellae, white chert.

4 ft. Dol. giving rise on weathering to much large & small rounded blocks conglomerate - both fossiliferous - Locally contains very hard masses of white chert from which most of the known "Up. American" flint was obtained.

2 ft. strongly pitted, grayish dolomite with coarse, yellowish brown dendroids, green partly congl., the cavities could with translucent & crystals of dolomite. When pitted some calcite.

1'6" - Very congl. glass pebbled chert in
rounded or irregular smaller masses.
Probably at base 1"-3" layer of conglomerate
sandstone. Possible base of Jeff. limestone.

2

2'3" Gray dol. with small pebbled oyster
pitting - inside spotted - not discolored - with brown areas
up to 1/2 inch in which some clay matter is observed.

7555

About 20' Dol. not seen only abundant pebbly - many - pebbled
The latter - containing small brown Eminence
gastropods.

About

20'

Reddish micaceous rather platy, siliceous chert
containing the Calymene & other trilobites.

about 20 ft. (possibly less) interval not seen.

5'-6'

Gray dol. with white streaks & spots, resembling
building rock of the Jeff. City. (Seen at
small concrete bridge, south edge of town
of Eminence). at base of exposure

Sept. 4th 1918.

Tyrone Depot, Ky.

4

Ripry quarry at Tyrone station, Ky. - Anderson co. - Ky. River.

Generalized section - thicknesses of beds estimated from floor of quarry. Took 3 panoramic views. - all in morning. Intended to get more details in P.M. but heavy rain, beginning shortly after 2 P.M. & continuing through half the night, prevented return to quarry.

From 11 A.M. till rain began spent in looking over other exposures between station and the town itself which lies in the valley a mile east or S.E. There showed the lowest beds of section which are not shown at quarry. The magnesian layers are shown beneath foundations of stone at SE end of bridge over creek which cuts through town & empties into Ky. River.

[illegible]

M. 2nd, Tag. R 2 M.
 County down from ridge
 to Parker mill pond
 on Grand River.

995'
 980'
 955'
 940'
 925'
 910'
 895'
 880'
 865'
 850'
 835'
 820'
 805'
 790'
 775'
 760'
 745'
 730'
 715'
 700'
 685'
 670'
 655'
 640'
 625'
 610'
 595'
 580'
 565'
 550'
 535'
 520'
 505'
 490'
 475'
 460'
 445'
 430'
 415'
 400'
 385'
 370'
 355'
 340'
 325'
 310'
 295'
 280'
 265'
 250'
 235'
 220'
 205'
 190'
 175'
 160'
 145'
 130'
 115'
 100'
 85'
 70'
 55'
 40'
 25'
 10'
 0'

Grand River
 Parker mill pond
 ridge
 County down from ridge
 to Parker mill pond
 on Grand River.

[illegible]