

July, 1936.

> Murphin #1 Westhusin,  
NE NE SE, 19-9S-16W,  
Elevation 1989'

M<sup>2</sup>  
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Pennsylvanian conglomerate. 3505-3510'  
3505-3510 Lime, gray; with included sand and chert.

Questionable Mississippian Top 3510' Sub-sea, minus 1521'  
3510-3595 Mixture of weathered chert, smooth red and white  
mottled clays, and rare unweathered chert. This  
material may be Fern Glen residuum at top and  
Kinderhook shale below. It may be sinkhole  
filling derived from the residual surface of  
the Viola and Kinderhook. Certainly it is not  
a reworked conglomerate.

Ordovician Top 3595' Sub-sea. minus 1606'  
Viola 3595-3613'  
3595-3613 Dolomite, light brown, fine to medium crystalline,  
uniform in type.  
3613-3620 No samples. Holeful of water.

This section is peculiar and it is possible that correlation might  
have to be modified later. It is, however, certain that the dolomite  
is not Arbuckle.

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R. A. Carmody

April, 1941

Murfin, Kirk & Jones, No. 1 Westhusin  
NE SE 19-9S-16W

Elevation 1989 feet

Cable Tool Samples

Pennsylvanian

Base Kansas City 3435 feet

Pennsylvanian basal conglomerate top 3504 feet

3504-3505 feet Darkred and various-colored chert. (Some imbedded  
sand grains in overlying Marmaton limestone.)

Ordovician top 3505 feet

Subsea -1516 feet

Trenton (Galena) top 3505 feet

Subsea -1516 feet

3505-3595 feet Interbedded dark red to purple and various-  
colored, waxy to brittle flint clay, and white,  
light gray, pale red, pale purple and various-  
colored, stony to flinty opaque chert, part rough,  
pitted, and porous. This interval is interpreted  
as residuum.

3595-3613 feet Dolomite, white, pale yellow, and rare pink, fine  
to medium crystalline, part with disseminated  
calcite. Some white, flinty opaque chert.  
Much clay and chert as above, interpreted as  
cave.

3613-3620 feet TD. No samples.