

October, 1937.

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10' 10

Minnehoma #1 Haller,  
NE NE SW, 10-11S-18W,  
Elevation 1894' *DF (Printed)*

Pennsylvanian conglomerate 3408-3426'

3408-3417 Sandy shale, sand, and rare weathered and stained chert.  
3417-3426- Chert, weathered and in part stained. Mixed in type,  
including Arbuckle types. Rare sand and red shale.  
Conglomerate-Residuum contact is arbitrary as there  
is no clean-cut contact.

Viola 3426-3462'

3426-3440 Chert, mainly of the same type, Viola. Some stained  
and weathered chert which is assumed to be caving.  
3440-3445 Chert and red shale and dark red clay.  
3445-3452 Chert, fresh and of the same type. Asphaltic material  
in cracks and cavities.  
3452-3462 Chert, fresh; with some white medium crystalline dol.  
Rare sand, both as loose grains and consolidated.

Decorah 3462-3491'

3462-3464 Sand, fine, well-rounded.  
3464-3474 Shales, green and maroon, rare sand.  
3474-3481 Dolomite, white; with some yellowish and greenish  
rhombic crystals; slightly sandy at top. Apparently  
contains no chert although chert cavings are present.  
3481-3491 Shale, green and red. Thin sand at base.

Arbuckle Top 3491' Penetration 10' Sub-sea, minus 1597'  
3491-3501' Dolomite, Miller-Purcell.

The Simpson dolomite from 3474-3481 carried some water. This differs  
from Arbuckle dolomite in that the crystals are more rhombic; some  
few crystals are yellowish; others tend to be faint greenish; there  
is no chert so far in this area; if chert does occur it will probably  
contain sponge spicules; and the dolomite carries some sand at the  
top.