

June, 1942.

Porter

Darby #1 Haneke,
SE NW SE, 24-11S-21W,
Elevation 2217' *DE* *Q*

Pennsylvanian conglomerate 3786-3812'

3786-3800 Conglomerate. Top by Heathman.

3800-3812 Red shale and rare chert. Viola types are present but the degree of weathering is too varied for Viola residuum in place. The type of conglomerate is poorly shown, because of rather coarse-textured rotary samples.

Decorah 3812-3816'

3812-3816 Red and green shales, with rare dolomitic sandy shale and fine consolidated sand. The exact sequence cannot be determined from the rotary samples but the presence of easily weathered dolomitic shales indicates that the shale is in place.

Arbuckle Top 3816' Penetration 34' Sub-sea, minus 1599'

3816-3850 Dolomite, brown, fine to medium, with considerable chert, both oolitic and clear. Pipe was set after drilling to 3840' and the last ten feet was drilled with cable tools.

The exact sequence can not be matched with other wells but appears to fit into either Zone I or II of the Cotter. At this time the detail correlation of this immediate area is not up to date and the exact correlation may be modified later. It does seem certain that this section is older than that which is producing at Bemis.

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