

May, 1936.

Pryor and Lockhart #1 Bradley,  
SW NE, 31-10S-16W,  
Elevation ~~1981'~~ <sup>1931 DF</sup> (Printed)

VR  
D

L.S. made a 50' correction  
Took off wrong BM

- Pennsylvanian conglomerate 3452-3570?  
3452-3466 Clay shales; with some sand and stained chert.  
3466-3570 Chert and coarse sand. A coarse conglomerate which is mainly of locally derived Viola chert, with an admixture of coarse sand and fine quartzose gravel. Arbuckle chert is scarce, but may be seen in a few samples. The base of the conglomerate is called arbitrarily at 3570' for the reason that loose sand tends to cave and will be found in samples of Viola residuum. The fact that a full section of Decorah is present indicates that some part of the chert series above is residuum in place.
- Ordovician Top 3570'? Sub-sea, minus ~~1589'~~  
Viola residuum 3570-3592'. As stated above, these samples contain considerable sand and could be classed as conglomerate. Mainly white and brown chert.
- Decorah 3592-3633'  
3592-3601 Clay, dark red.  
3601-3608 Shale, green, sandy; with yellow dolomite crystals.  
3608-3613 Dolomite, yellowish brown, sandy. Pipe was set at 3608'.  
3613-3633 Shale, green, sandy, phosphatic.
- Arbuckle Top 3633' Penetration 68' Sub-sea, minus ~~1652'~~  
3633-3701 Miller-Purcell dolomite. Checks in detail with section under the Decorah in Shutts pool in 12S-17W

As it appears that the full Decorah section is present, some Viola residuum was put in, rather arbitrarily. Should be mapped as Viola, rather than Decorah.

December 1940

Pryor and Lockhart, No. 1 Bradley  
SW SW NE 31-10S-16W

Elevation 1931 <sup>✓</sup> feet ~~DF~~ <sup>Cott</sup>

Cable-tool dry hole. No shows.

Ordovician

Arbuckle Top 3631 feet or 1700 feet subsea. Penetration 70 feet. Simpson cover, badly caving.

3631-3701 feet Cotter, probably lower 100 feet. Residues badly contaminated by Simpson and Pennsylvanian basal conglomerate cave in upper portion.

Remarks:

<sup>Cotter</sup>  
Estimated top pre-~~Cambrian~~ near 3710 feet, assuming section correctly placed. Cotter classification appears fairly safe.

FBC