

February, 1935.

One m mag

Prairie #1 Sandberg, *PC 2*
C SW $\frac{1}{4}$, 20-9S-18W, *C?*
Elevation 2172'

Pennsylvanian conglomerate. 3585-3648'

3585-3625 Clay shales and weathered chert. Rare sand. Oil sho, 3610'
3625-3630 Clay, red.
3630-3640 Red clay and chert.
3640-3644 Clay, red.
3644-3648 Red clay, sand, and chert.

Ordovician Top 3648'

Sub-sea, minus 1476'

Arbuckle " " Penetration 202'

" " " "

3648-3700 Questionable. Cotter cherts are present but it is possible that they are derived entirely from the the conglomerate or residuum above. The samples contain more than 50% cavings that are clearly recognizable as such. This should be mapped as Pre-Cotter, questionably Cotter.

3700-3850 Pre-Cotter. Samples O. K.

Boyce sand 3760-3800'

The pre-Boyce dolomite contains much more sand than is found in wells to the south.

FBC says

Sample worthless

December 1940

Prairie, No. 1 Sandberg
C SW 20-9S-18W

Elevation 2172 feet

Practically worthless cable-tool samples.

Ordovician

Arbuckle Top 3648 feet (?) or 1476 feet (?) subsea. Penetration 202 feet.
Pennsylvanian basal conglomerate cover. Probably straddles base
Cotter, possibly at 3720 feet. This would give subdivision as
follows:

3648 (?) - 3720 (?)	Cotter
3720 (?) - 3850	Pre-Cotter

Remarks:

Correlation doubtful, if possible at all. May be Pennsylvanian fill in Arbuckle cavern. May be boilerhoused sample set. Thickness of Cotter checks isopach interval on above subdivision but control is not detailed and this may be coincidence.

FBC

CORRECTION SHEET

Prairie #1 Sandberg,
C SW 4, 20-9S-18W,
Elevation 2172'

The interpretation given below is questionable.

Arbuckle Top 3648' Penetration 202'
3648-3760 Cotter
3760-3850 Pre-Cotter.

3648
2172
1476

Remarks: Arbuckle sections to the granite in 7S-17W and 9S-19W show that the above set of samples was incorrectly interpreted. Originally the emphasis was placed on the lower samples, in the belief that they were the most dependable. It now appears that the lower samples may be boilerhoused as they do not check any other known section.

Even on the interpretation shown above the Sandberg well is higher, in pre-Penn. time, than the well in 22-9S-19W. In view of the fact that the upper samples are full of cavings and the lower samples possibly not representative, this well should be marked questionable on all maps which show divisions of the Arbuckle.