

April, 1944

Barnsdall #1 Karst
Section 27-15S-14W, NE SE NW
Elev. 1903'

Cable tools

Pennsylvanian Conglomerate

None. Marine limestone cover.

Arbuckle	Top 3347'	Penetration 6'	Subsea -1444'
	3347-3353	Dolomite, buff-white, medium to coarsely crystalline. About 8% chert, mostly fragile white quartzose chert. Pre Cotter, uppermost Post Boyce.	

Remarks: Made 185 bbl. well.

Restored top of Pre Cotter estimated at 1443' or -1440'.

Mr. Conselman, Letter #16, 1941, reported this section as "basal Cotter". There is no difference of opinion as to the exact stratigraphic position of this section within the Arbuckle, but only a difference in nomenclature. The coarse crystallinity, the light color of the dolomite, and the fragile quartzose cherts (visible only in insoluble residues) are criteria for upper Pre Cotter as called by Walters and by Littlefield. Mr. Conselman is calling the Cotter--- Pre Cotter contact at a lower point on criteria not specifically stated and without insoluble residues. This accounts for some, but not all, of the "Cotter" production cited in his 1941 letters.

RFW