

Feb. 1943

Skelly, # 1 Valenta
Sec. 31-16s-11w, CEL SE NE
Elev. 1902'

Cable tools below 3330'

Pennsylvanian conglomerate 3324-3327'

3324-3327 Limestone with included sand grains and quartzite fragments grading downward into limy sand at base. A trace of Cotter chert and oilstained friable sharp sand. Marine conglomerate.

Arbuckle Top 3327' Penetration 13½' Subsea -1425'

3327-3330 Dolomite, white, coarsely crystalline.
Post Boyce.

3330-3340½ Questionable samples. Sand and chert. No dolomite except for a trace in top foot. About 50% white cherts showing sequence from translucent at top to milky and opaque at bottom. Abundant sand, fine and medium grains, loose, well rounded, frosted. Some sandy gray clay with included brown semi-fragile quartzose chert.

There are two possible interpretations of this interval:

1. This test encountered, under fresh dolomite, a cavern filled with residuum or with locally shifted residuum. Material and sequence resemble that in the B & M # 1 Reimann, NE/c Sec. 25-16-12 from 3347' to 3361'.
2. Samples are worthless as stated by Conselman, Letter # 12, 1941. Presence of a duplicate sample, largely very sandy residual clay, for the interval 3325-3330' supports this view.

Filled Cavern?

Remarks: Test made a small Arbuckle producer.

RFW