

January, 1938.

Low hill

Keith and Olson #1 Ely,
NW NW SW, 34-22S-29W,
Elevation 2703'
Rotary samples.

Mississippian	Top 4655'		Sub-sea, minus 1952'
Unit 1		4655-4880	225'
Unit 2		4880-5025	145'
Unit 3		5025-5175	150'
Unit 4 and Kinderhook		5175-5330	155'
			<u>675'</u>

The Kinderhook and Unit 4 are made up of limestones and dolomites. Unit 4 contains some scattered oolites between 5185-5315'.

Ordovician	Top 5330'		Sub-sea, minus 2627'
Viola		5330-5460'	130'
5330-5460	Dolomites, white to brown, finely crystalline; with phosphatic plates included in both dolomite and chert. The chert is scarce. Much of it contains characteristic sponge spicules.		

Arbuckle	Top 5460'	Penetration 95'	Sub-sea, minus 2757'
5460-5475	Unconformity sand with small amount of shale. May be overlap phase of Decorah.		
5475-5555	Dolomite, fine to medium brown. First oolites at 5520'. Miller-Purcell.		