



Figure 27. COCORP seismic data, Oklahoma line 2 (northern half) and 2A. Section is unmigrated and approximately 1:1 scale [100 VP's (stations) = 10 km]. Note that VP's 700-1100 are equivalent to stations 1-400 of line 2A (fig. 25). MF and MVF mark subcrop of Meers and Mountain View Faults. Band of events dipping to about 8 seconds under VP-500 is interpreted to be trace of Mountain View Fault. Note that layered sedimentary rocks of Anadarko Basin are well imaged away from mountain front, but their character rapidly deteriorates farther south. Discontinuous events marked by open arrows are interpreted as continuations of these sedimentary rocks in footwalls of Mountain View and Meers Faults. Disruption of their reflection character is probably due to faulting and perhaps to complex, near-surface structure, causing distortion of seismic energy. Cordell Anticline underlies VP-1000.