

A no flow boundary between the Wynell Federal #1 and 660 FEL and 1980 FNL orthodox location would exist 126 ft north of the section line. The Amethyst 22 #1 unorthodox location would have a drainage radius of 726 ft to achieve the same boundary.

Drainage area = 
$$(17)(726)^2$$
 acres = 38 acres 43,560

Drainage area for a well is directly proportional to flow rate. To limit drainage area to 38 acres, allowable factor is 38/320 = .119 Penalty is (1-.119)X100 = 88%