Diamond AKI Federal #1

270Acre Drainage Area

Penalty Calculations

X Direction Difference

Orthodox X Distance - Unorthodox X Distance Orthodox X Distance

660' - 560' 660'

Y Direction Difference

Orthodox Y Distance - Unorthodox Y Distance
Orthodox Y Distance

660' - 360' 660' 11 . 45

Excess Area Ratio

* Excess Area (Acres) 270 Acres

. 10

Arithmetic Average

.23

* Note excess area determined from planimetering the difference of the two areas represented by the stippled region on drawing

NMOCD CASE NO. 10519 BEFORE EXAMINER CATANACH EXHIBIT NO. DATE: 08/20/92 YATES PETROLEUM CORP.