

Diamond AKI Federal #1

320 Acre Drainage Area

Penalty Calculations

X Direction Difference

Orthodox X Distance - Unorthodox X Distance
Orthodox X Distance

$$\frac{660' - 560'}{660'} = .15$$

Y Direction Difference

Orthodox Y Distance - Unorthodox Y Distance
Orthodox Y Distance

$$\frac{660' - 360'}{660'} = .45$$

Excess Area Ratio

* Excess Area (Acres)
320 Acres

$$\frac{30}{320} = .09$$

$$\text{Arithmetic Average} = \underline{.23}$$

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

YATES PETROLEUM CORP.

BEFORE EXAMINER CATANACH

NMOCD CASE NO. 10519

DATE: 08/20/92

EXHIBIT NO. 6