DRAINAGE AREA CALCULATION

MEDIAN RATE IS 100 MCFD

- IF A WELL PRODUCES THAT FOR 5 YEARS FLAT AND THEN DECLINES AT 5% PER YEAR TO AN ECONOMIC LIMIT OF 25 MCFD,

$$EUR = 100(5)(365) + \frac{100-25}{-\ln(0.95)}(365) =$$

$$= 182.5 + 533.7 = \underline{\underline{716.2}} \text{ MMCF over 32 YRS TOTAL}$$

WITH 2.17 BCF RECOVERABLE PER 320,

$$\text{DRAINAGE AREA} = \frac{716}{2170} \times 320 = \underline{\underline{106}} \text{ AC}$$

$$\text{IF } D = 10\%/\text{YR},$$

$$EUR = 182.5 + 259.8 = \underline{\underline{442}}.3 \text{ MMCF over } \underline{\underline{18.7}} \text{ YRS}$$

$$A_D = \underline{\underline{65 \text{ AC}}}$$

DFCox 11/14/01