EXHIBIT 14

SAMPLE CALCULATIONS
MATERIAL BALANCE

ABOVE BUBBLE POINT (BP @ 2775 psi)
CALCULATION OF ORIGINAL OIL IN PLACE

$$N*Boi*(Bo/Boi-1+(Sw*Cw+Cf)*(Pi-P)/(1-Sw)) = Np*Bo-We+Bw*Wp$$

Solving For N

$$N = (Np*Bo-We+Bw*Wp)/(Boi*(Bo/Boi-1+(Sw*Cw+Cf)*(Pi-P)/(1-Sw))$$

Sample From 3195 psi To 3020 psi

$$N = (4616*1.392-0+1.010*3436)/(1.381*(1.392/1.381-1+(.55*2.16E-6+4E-6)*(3195-3020)/(1-.55))$$

$$N = 750556 \text{ STB ORIGINAL OIL IN PLACE}$$

PRODUCTION PREDICTION ABOVE BP

$$\text{TOTAL FLUID} = (N*Boi*(Bo/Boi-1+(Sw*Cw+Cf)*(Pi-P)/(1-Sw))/(.68*Bo+.32*Bw))$$

$$Np = (\text{TOTAL FLUID})*.60$$

$$Wp = (\text{TOTAL FLUID})*.40$$

PRODUCTION PREDICTION BELOW BUBBLE POINT

$$Np = (N*(Bt-Boi)-Bw*Wp)/(Bt+(Rp-Rsi)*Bg)$$

where: $Bt = Bo+Bg*(Rsi-Rs)$
$Wp = .66667*Np$

Iterate For Convergence To Correct Np

CALCULATION OF REQUIRED DRAINAGE AREA

$$A = (N*Boi)/(7758*H*\phi*(1-Sw))$$

$$A = (751294*1.381)/(7758*35*.145*(1-.55))$$

$$A = 58.6 \text{ Acres}$$

$$Rd = ((58.6 \text{ acres})*(43560 \text{ ft}^2/\text{acre}))^{1/2}/2$$

$$Rd = 799 \text{ feet}$$