

ATTACHMENT 3  
NEW MEXICO "S" STATE #36  
ADDITIONAL RECOVERY CALCULATION

Wantz Granite Wash and Drinkard

Current Rate = 2.0 BOPD, 8.4 MCFPD (GOR = 4200 SCF/bbl)

Decline Rate = 15% per year (exponential)

Additional Reserves Recovered by Downhole Commingling

Oil: 
$$N = \frac{(Q-Q_i) 365}{\ln(1-d)} = \frac{(0-2)365}{\ln(1-.15)} = \underline{\underline{4492 \text{ BO}}}$$

Gas: 
$$G = 4492 \text{ BO} * 4200 \text{ SCF/bbl} = \underline{\underline{18,866 \text{ MCF}}}$$