$$P_{sfs} = (513.2 \text{ psia}) \frac{0.131}{0.91} = 592.7 \text{ psia}$$

$$P_{sfs} = 592.7 \text{ psia } 0.5,570$$

Common datum assumed to be 0 6376' \cdot Blinebry zone SBHP needs to be adjusted 806'.

BHT @ 6376' = 74°F + 6376'
$$\frac{0.4^{\circ}F}{100'}$$
 = 100°F

$$\overline{T} = \frac{96^{\circ}F + 100^{\circ}F}{2} + 460^{\circ}R = 558^{\circ}F$$

$$C = \frac{(0.700) (806')}{(53.34) (558 R)} = 0.019$$

Assume P @ 6376' = 650 psia $\overline{P} = \underline{650 \text{ psia} + 592.7 \text{ psia}} = 621.4 \text{ psia}$

$$\bar{Z} = 0.890$$

$$\frac{0.019}{0.890}$$

$$\overline{P} = \frac{605.5 \text{ psia} + 592.7 \text{ psia}}{2} = 599.1 \text{ psia}$$

$$\overline{Z} = 0.890$$

$$\frac{0.019}{0.890}$$

P @ 6376' = 599.1 psia adjusted to common datum of 6268'

Drinkard Zone SBHP = 502.1 psia @ 6376' Blinebry Zone SBHP = 599.1 psia @ 6376'

50% of high press. zone (Blinebry) = 299.6 psia

Since low press. zone (502.1 psia) is greater than 50% of high press. zone (599.1 psia) no cross flow problem should exist.