

Gravities:

Tubb

37.6° API
Specific gravity = .8368
35% of commingled production

Paddock

36.8° API
Specific gravity = .8408
65% of commingled production

Commingled Gravity

$$\begin{aligned}\gamma_r &= (.8368)(.35) + (.8408)(.65) \\ \gamma_r &= .8394\end{aligned}$$

$$\text{API} = \frac{141.5}{.8394} - 131.5$$

$$\text{API} = 37.1^\circ$$

Price for 37.1° API is \$29.94/bbl.