

Conversion Factors

Length

$$1 \text{ in} = 2.54 \text{ cm}$$

$$1 \text{ ft} = 12 \text{ in}$$

Volume

$$1 \text{ bbl} = 42 \text{ gal}$$

$$1 \text{ bbl} = 5.61 \text{ cu ft}$$

$$1 \text{ cu ft} = 7.48 \text{ gal}$$

Density

$$1 \text{ gm per cu cm} = 62.4 \text{ lb per cu ft}$$

$$1 \text{ gm per cu cm} = 8.34 \text{ lb per gal}$$

Pressure

$$1 \text{ atm} = 14.7 \text{ psi (lb per sq in)}$$

Power

$$1 \text{ hp} = 33,000 \text{ ft-lb per min} = 550 \text{ ft-lb per sec}$$

Temperature

$$\text{Deg Fahrenheit} = (1.8 \times \text{deg Centigrade}) + 32$$

$$\text{Deg Rankine} = \text{deg Fahrenheit} + 460$$