

Townsend State No.5 Reserve Calculation

Porosity 8.5%

Water Saturation 20%

Reservoir Volume 4,100 ac-ft

Bo @ Pi=4100 psi 1.856 RB/STB

$$\text{Oil in Place} = \frac{7,758 * 4,100 * 8.5\% * (1 - 20\%)}{1.856} = 1.17 \text{ MMBO}$$

| Recovery Factor | EUR, MBO |
|-----------------|----------|
| 30% | 351 |
| 40% | 468 |
| 50% | 585 |