

## YIELD OF OIL FROM A SOURCE ROCK

Imagine a block of source rock weighing 1000kg.

The source originally contained 2% kerogen which would have weighed  
\_\_\_ kg

20% of the kerogen changed to oil therefore there was \_\_\_kg of oil in the 1000kg of source rock.

Only 25% of the oil reached the reservoir therefore the 1000kg of source rock will have provided only \_\_\_kg of oil in the reservoir.

Usually only 70% of the oil can be extracted from the reservoir. What is the weight of oil that the original 1000kg of source rock will yield?

\_\_\_\_\_kg

The figures given here are realistic. Actual figures will vary from oilfield to oilfield.