



UNIVERSITY OF THE
WITWATERSRAND,
JOHANNESBURG

**Tribology of drill bit material in deep oil drilling process: variation of weight
on bit (WOB) and bit rotating speed**

MSc (50/50) RESEARCH REPORT

Prepared by

Mats'olo Seloanyane

1439795

Submitted to

School of Chemical and Metallurgical Engineering, Faculty of Engineering and the Built
Environment, University of the Witwatersrand, Johannesburg, South Africa

Supervisor(s):

Dr. Diakanua Nkazi (University of the Witwatersrand)

Prof. Peter Olubambi (University of Johannesburg)

November, 2019