

Certificate of Completion

The Society of Petroleum Engineers (SPE)

certifies that

Austin Caudill

*has completed 0.15 CEU/1.5 PDH credits , 1.5PDH PDH of the SPE Continuing
Education Course*

*Using the revised and improved API19B to enhance
your perforating performance*

on

November 6, 2019

Sami Alnuaim
Sami Alnuaim
2019 SPE President



Mark Rubin
Mark Rubin
SPE CEO/EVP