

GEOP 501 - Fall 2017 - Homework # 7 - (Due date: 28/11/2017)

Given the attached Excel Sheet consisting of depths and first-break picks before any correction from an uphole survey:

1. If the shot is 5 m from the wellhead, compute the vertical times.
2. Calculate the absolute times.
3. Provide the T-Z plot of this survey.
4. Calculate the velocity and thickness of the weathering layer.
5. Calculate the velocity and thickness of the sub-weathering layer.
6. Calculate the velocity of the bedrock below the sub-weathering layer.