

King Saud University  
College of Science  
Department of Geology

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GEOPHYSICS LAB #3

In a shallow seismic refraction survey, 12 geophones with 2 - meter intervals are used to record the direct and refracted arrivals. Use the seismogram shown below to determine the first arrivals time, then :-

1. Make a table of distance and time .
2. Plot the time-distance curve .
3. Determine the velocities.
4. Determine the thickness of layers.

