EB-2011-0076
EB-2011-0077
EB-2011-0078
EB-2011-0285
Tribute Resources Inc.
and Bayfield Resources Inc. as general partner for Huron Bayfield Limited Partnership and
Bayfield Pipeline Corp (collectively "Tribute")
Answer to Interrogatory from
Chinneck Law

Reference: In response to Issues Lists items 1.1 and 1.2 and the evidence in the Applicant's Binder 2, tab B and C

Preamble:

Question 1:

Please advise where the porosity that will constitute the reservoir is located, and specifically identify what volumes of that porosity are located beneath each of the landholdings of the surface owners of the Stanley Reef, and provide 3D seismic and other data to support your answer.

Answer:

Porosity is interpreted through sample rock examination and available well logs of well penetrations in and surrounding the Stanley reef. The porosity zones seen at each well are interpreted between the wellbores. With the limited number of well penetrations in the Stanley reef it would be difficult to determine what the reservoir porosity is as it relates to each of the surface owner land/buildings within the Stanley Pool.

The size and shape of the Stanley reef were accurately mapped with the 3D data. The seismic data was presented to, and reviewed with the MNR staff. It was used to determine an appropriate boundary for the proposed Stanley Pool DSA.

Mapping porosity using 3D seismic data is difficult. When much of the porosity in the pinnacle reef is salt plugged, it becomes even more challenging. Using inversion processing techniques or amplitude mapping of seismic events to map porosity has proven unsuccessful on other salt plugged reefs in Huron and Lambton Counties. For this reason, these techniques were not applied to the Stanley 3D data set. Ultimately, it will be the drill bit that determines under which lands the porosity lies.

Any seismic data (2D or 3D) is considered confidential and proprietary, and will not be provided.