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# CORE CONFERENCE

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## Duvernay - East Shale Basin/Ghost Pine Embayment

### Mature and excellent rock quality at the eastern edge of the Ghost Pine Embayment.

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#### Summary

In order to assess the economic potential of the Duvernay Formation on the eastern edge of the Ghost Pine Embayment, Outlier Resources Ltd. recovered a 58m Duvernay core from the 03/16-13-33-22W4 in July, 2018. Further analysis of this core has been very encouraging in terms of the maturity, TOC and the frequency of natural vertical fracturing.

Development of the Duvernay oil play in the Ghost Pine Embayment is accelerating with 40+ horizontal wells drilled to date.

More recently, the Lower Duvernay has been the target of horizontal development. Data from the 03/16-13-33-22W4 core shows a superior TOC and Tmax in the Lower Duvernay compared to the Upper Duvernay. The combination of excellent maturity/TOC and the interbedded nature of the carbonate and shale give the Duvernay in this area properties comparable to the best source rock found anywhere in any shale play.

Porosity in this Duvernay core is dominated by macroporosity, fracture porosity, and microporosity with less contribution from nanoporosity.