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INTERNATIONAL DIVISION TALK

Sweetspot Determination to Appraise a multi-TCF Gas Resource, Thrace Basin Turkey

Speaker: Rob Sadownyk, Valeura Energy Inc.

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1 CPD (Continuing Professional Development) credit will be awarded for this event

ABSTRACT

Recent drilling by Valeura Energy Inc has focused on proving up a deep, multi-TCF tight gas resource in the Thrace Basin, Turkey. Testing and analysis of these wells has demonstrated pervasive, over-pressured gas and sustained post fracture stimulation gas flow within a 1600km² play fairway. The next phase of appraisal is sweetspot identification which will delineate areas that yield optimal productivity to underpin commercial development. Sweetspot mapping integrates over-pressure, reservoir quality, natural fracture intensity and dry gas maturity. As determined by core analysis and petrophysics, the highest porosity occurs within the top 300m of a 2500m thick, high net to gross coalesced turbidite lobe succession. Seismic attribute mapping has highlighted areas of intense natural fracturing with orientations that are potentially critically stressed. In addition, thin-section Epi fluorescence reveals intragranular and grain-edge microfractures that have been correlated to improved reservoir performance in analogous basins. Flow tests from multiple zones in the recently drilled wells has shown that the highest gas rates and EUR's are within the dry gas window (below ~4000m) where minimal multiphase flow effects occur. Valeura's next well, Hanoglu-1, will test a 221km² area that encompasses these overlapping sweetspot attributes.

BIOGRAPHY

Rob Sadownyk is VP Exploration at Valeura Energy Inc with over thirty years of unconventional and tight gas experience within North America and abroad. Prior to Valeura Energy, he was VP Exploration at Berland Energy and an exploration geologist at Vermilion Energy and Canadian Hunter Exploration. Geophysics from the University of Calgary and is a member of APEGA, CSEG, SEG, AAPG, and EAGE.