

## KEY LEASING MILESTONE ACHIEVED IN KANSAS

### OVER 30,000 ACRES SECURED AT THE SERPENTINE NATURAL HYDROGEN PROJECT

Top End Energy (ASX: **TEE** or the **Company**) is pleased to announce it has further expanded its lease holdings at the Serpentine Natural Hydrogen Project (the **Project**) in Kansas, USA.

#### HIGHLIGHTS

- **Increase in Lease Holdings:** Increased to more than 30,000 prospective infill acres adjacent to existing TEE leases and Koloma well sites
- **Emerging Hot Spot for Natural Hydrogen:** Project area is in the heart of a globally significant land rush, driven by historical hydrogen observations and ongoing exploration by Koloma and HyTerra in Marshall, Washington and Riley Counties
- **Highly Competitive Leasing Environment:** Landowners in the area are receiving multiple offers to lease, underscoring the strategic value in the Project area
- **Shifting Focus to Exploration Drilling:** With the critical mass of acreage now secured, the Company is advancing key pre-drill activities across multiple fronts to attract strategic development partners

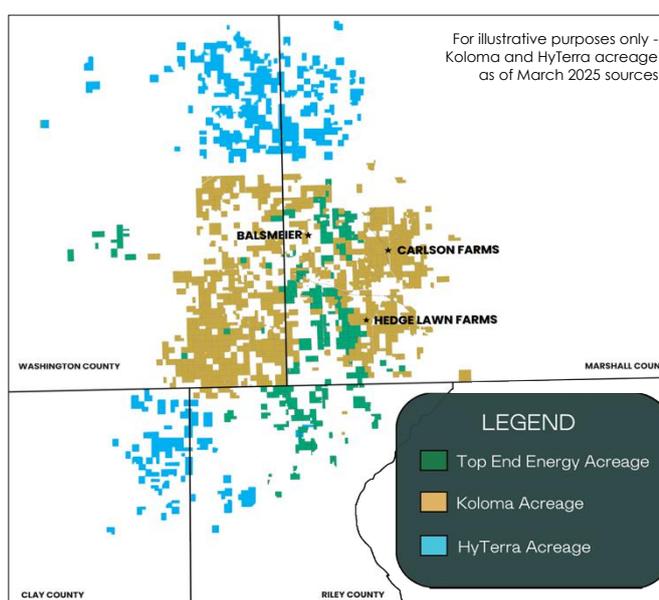
**Luke Velterop, CEO commented:** "With over 30,000 acres now under TEE control, I'm very pleased to report that we have achieved the critical scale needed to advance our pre-drill objectives and attract interest from major energy partners. Our acreage sits in the heart of the Kansas natural hydrogen play fairway, with a leasing strategy focused on infill acres adjacent to Koloma - the global leader in the natural hydrogen industry. Early discussions with potential partners are already underway and we believe successful execution of this strategy could unlock significant value for shareholders. HyTerra's recent drilling results in Riley County are encouraging, with hydrogen concentrations of 96.1% confirming historical observations through modern, targeted exploration<sup>1</sup>. This outcome validates the region's potential for focused exploration and future development.

#### SERPENTINE NATURAL HYDROGEN PROJECT

TEE holds exclusive rights to explore for and produce hydrogen and helium across 30,000+ acres in a high potential play fairway.

This expansion enhances TEE's strategic position near Koloma's exploration wells, ongoing seismic programs, newly permitted well sites and HyTerra's recent drilling to the south.

Looking ahead, TEE is advancing its pre-drill strategy through technical appointments, a prospective resource estimate and well site selection, ahead of applying for drilling permits.





**This announcement was authorised for release by the Board of Directors of Top End Energy.**

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For further information on Top End Energy Limited please visit [topendenergy.com.au](https://topendenergy.com.au)

<sup>1</sup>Refer to HYT ASX Announcement: *Significant Hydrogen Concentrations Found in Sue Duroche 3* (6 May 2025)