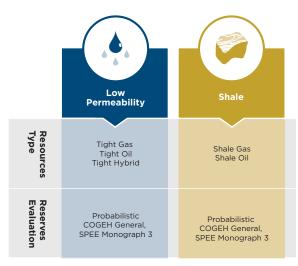
Reserve and Resource Classification



COGEH = Canadian Oil and Gas Evaluation Handbook

SPEE = Society of Petroleum Evaluation Engineer

The AER's classification system is adapted from the Canadian Oil and Gas Evaluation Handbook.

Developed Already developed and producing Undeveloped Could reasonably be developed in the next 5 years Contingent Could reasonably be developed in the next 15 years when contingencies are resolved Prospective Could reasonably be developed in the next 30 years with improved technology

The Value of Condensate

- Operators are targeting condensate because it currently provides the most economic value.
- Condensate is a key product used to dilute bitumen, allowing for flow to market. The condensate and liquids also have high value as feedstocks for Alberta's petrochemical industry.
- Due to its close proximity to the Canadian oil sands, the liquids-rich areas of the Duvernay are well positioned for growth.



AER Contact Information

Inquiries

1-855-297-8311 reserves@aer.ca

24-hour emergency

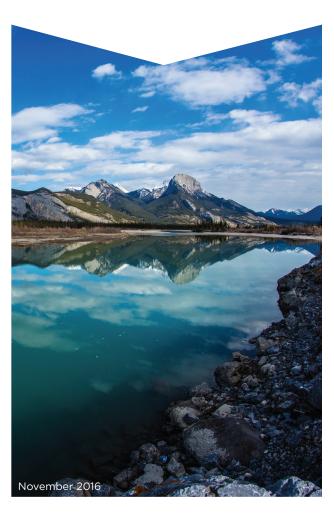
1-800-222-6514

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November 2016

Highlights from the Duvernay Reserves and Resources Report

A Comprehensive Analysis of Alberta's Foremost Liquids-Rich Shale Resource





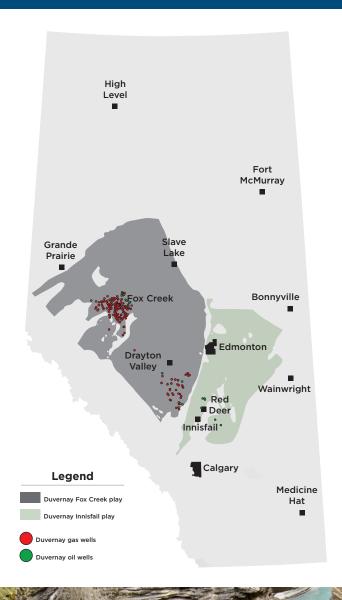
The Alberta Energy Regulator (AER) ensures the safe, efficient, orderly, and environmentally responsible development of hydrocarbon resources over their entire life cycle.

Who We Are

- One of the AER's key services is to provide credible information about Alberta's energy reserves and resources.
- We communicate the economic value of the subsurface to stakeholders by providing unbiased reserves and resources assessments for the province.
- We have moved to a more flexible playbased approach to capture the uncertainty of unconventional reserves and resources.

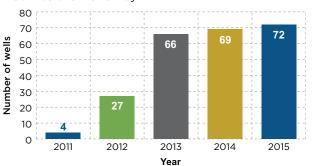
Geology Extent and Development

The AER has defined two geological plays for the Duvernay. The Fox Creek play is a shale resource, and the Innisfail play is a shale and low permeability resource.



Duvernay Activity

Between 2011 and 2015, 238 horizontal wells were drilled into the Duvernay



Remaining Duvernay Resources

(effective January 1, 2016)

		BOE* (MMboe)*
Reserves	Total proved + probable	395
Contingent resources	Best estimate	1676
Prospective resources	Best estimate (50% risked)	874

^{*}BOE - barrels of oil equivalent

^{*}MMboe - millions barrels of oil equivalent