

Leco TOC, HAWK RockEval pyrolysis, and associated thermal maturity measurements from HRZ core chips and cuttings in the Badami 1, Badami Unit B1-36, and Badami Unit B1-38 wells, North Slope, Alaska

Glacier Oil & Gas and GeoMark Research, Ltd.

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Glacier Oil & Gas¹ and GeoMark Research, Ltd.²

INTRODUCTION

This report presents Leco TOC and HAWK RockEval pyrolysis data, including hydrocarbon source potential metrics, kerogen quality indicators, kerogen type parameters, and thermal maturity measurements, from core chips and cuttings collected from the HRZ interval of the Hue Shale in the Badami 1, Badami Unit B1-36, and Badami Unit B1-38 wells. These wells are located on the eastern North Slope of Alaska within the Badami Unit on the Arctic coastal plain east of Prudhoe Bay. Alaska Oil and Gas Conservation Commission (2026) completion reports indicate that all three wells penetrate the Brookian sequence and reach the Hue Shale. Glacier Oil and Gas staff examined core housed by the GMC to verify the HRZ sections and submitted the samples to the GeoMark Research laboratory for Leco TOC and HAWK RockEval pyrolysis testing. The resulting dataset supports assessment of organic matter composition, hydrocarbon generation potential, and related petrologic attributes of the HRZ. The results and interpretations have not undergone technical review and should not be cited as reviewed data or as an authoritative information source. These data are provided as a Geologic Materials Center Report and are available on the DGGS website <https://doi.org/10.14509/32143>.

DATA PRODUCTS

- GeoMark analysis data files
- GMC database inventory sample log

This data collection provides files and documentation exactly as received from the analyst. In some cases, laboratory labeling differs from records maintained by the Alaska Oil and Gas Conservation Commission (Alaska Oil and Gas Conservation Commission, 2026). We retain the original submittal labeling throughout the files to preserve the integrity of the source materials.

ACKNOWLEDGMENTS

The Alaska Geologic Materials Center (GMC) connects the state's largest geologic collections to research, industry, and education communities, fostering greater geologic understanding, increased awareness of economic opportunities, and stimulating public interest and knowledge in Alaska's geologic history. The GMC data archive provides analytical and interpretive data from third-party testing on material borrowed from samples housed at the Alaska Geologic Materials Center. Simone Montayne and GMC staff coordinated this data release.

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REFERENCES

Alaska Oil and Gas Conservation Commission, 2026, AOGCC Data Miner: Alaska Oil and Gas Conservation Commission, accessed September 15, 2026, at <http://aogweb.state.ak.us/DataMiner4/Forms/Home.aspx>