EXTRACTABLE ORGANIC MATTER, HAWK-PAM TOC, AND ROCK TYPE INDICATOR DATA FROM THE PRUDHOE BAY UN NIA NK-41A WELL, NORTH SLOPE, ALASKA

Hilcorp Alaska, LLC, and GeoMark Research, Ltd.

GMC 474

2026
STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

STATE OF ALASKA
Mike Dunleavy, Governor

DEPARTMENT OF NATURAL RESOURCES
John Crowther, Commissioner-Designee

DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
Erin A. Campbell, State Geologist & Director

Publications produced by the Division of Geological & Geophysical Surveys are available to download from the DGGS website (dggs.alaska.gov). Publications on hard-copy or digital media can be examined or purchased in the Fairbanks office:

Alaska Division of Geological & Geophysical Surveys (DGGS)
3354 College Road | Fairbanks, Alaska 99709-3707
Phone: 907.451.5010 | Fax 907.451.5050
dggspubs@alaska.gov | dggs.alaska.gov

DGGS publications are also available at:

Alaska State Library, Historical
Collections & Talking Book Center
395 Whittier Street
Juneau, Alaska 99801

Alaska Resource Library and
Information Services (ARLIS)
3150 C Street, Suite 100
Anchorage, Alaska 99503

Suggested citation:
Hilcorp Alaska, LLC, and GeoMark Research, Ltd., 2026, Extractable organic matter, HAWK-PAM TOC, and rock type indicator data from the Prudhoe Bay UN NIA NK-41A well, North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Geologic Materials Center Data Report 474, 1 p. https://doi.org/10.14509/32054

EXTRACTABLE ORGANIC MATTER, HAWK-PAM TOC, AND ROCK TYPE INDICATOR DATA FROM THE PRUDHOE BAY UN NIA NK-41A WELL, NORTH SLOPE, ALASKA

Hilcorp Alaska, LLC, and GeoMark Research, Ltd.

INTRODUCTION

This report presents source rock evaluation results based on extractable organic matter (EOM), HAWK-PAM total organic carbon (TOC), and rock type indicator (RTIP) analyses of cuttings and cuttings extracts from the Prudhoe Bay UN NIA NK-41A well. The data provide insight into the organic richness, geochemical composition, and rock-type variability of North Slope wells, offering a foundational dataset that supports source-rock characterization, thermal maturity assessment, and broader petroleum-system evaluation. A third-party agency conducted this work using material derived from GMC-housed samples. 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 under an open end-user license and are available on the DGGS website (https://doi.org/10.14509/32054).

DATA PRODUCTS

- EOM data
- HAWK-PAM TOC data
- RTIP data and HAWK-PAM pyrograms

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 resulting from third-party testing of material borrowed from samples housed at the Alaska Geologic Materials Center. GMC staff and Simone Montayne coordinated this data release.

REFERENCES

Alaska Oil and Gas Conservation Commission, 2024, AOGCC public data resources: Alaska Oil and Gas Conservation Commission database, accessed December 31, 2025, at https://www.commerce.alaska.gov/web/aogcc/Data.aspx