MICP, XRD, AND VAS DATA FROM THE INISKIN BAY ASSOC 1, INISKIN UNIT BEAL 1, INISKIN UNIT ZAPPA 1, C.O.S.T. COOK INLET 1 DST-07, OCS Y-0097 RAVEN 1, AND OCS Y-0243 FALCON 1 WELLS, INISKIN PENINSULA AND COOK INLET, ALASKA

Baker Hughes, NUTECH PoroLabs, and Hilcorp Alaska, LLC

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MICP, XRD, AND VAS DATA FROM THE INISKIN BAY ASSOC 1, INISKIN UNIT BEAL 1, INISKIN UNIT ZAPPA 1, C.O.S.T. COOK INLET 1 DST-07, OCS Y-0097 RAVEN 1, AND OCS Y-0243 FALCON 1 WELLS, INISKIN PENINSULA AND COOK INLET, ALASKA

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INTRODUCTION

This report presents mercury injection capillary pressure (MICP), X-ray diffraction (XRD), and volatiles analysis (VAS) data from the Iniskin Bay Assoc 1, Iniskin Unit Beal 1, Iniskin Unit Zappa 1, C.O.S.T. Cook Inlet 1 DST-07, OCS Y-0097 Raven 1, and OCS Y-0243 Falcon 1 wells, located in the Iniskin Peninsula and the offshore Cook Inlet region of south-central Alaska. These analyses provide insight into the mineralogical composition, pore-size distribution, and hydrocarbon characteristics of these wells, offering a foundational dataset that supports reservoir evaluation, fluid characterization, and broader geologic and petroleum system studies within this structurally complex and hydrocarbon-bearing region of Alaska. 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/10.14509/32055).

DATA PRODUCTS

- VAS source data, VAS property logs, and summary report
- MICP and XRD data and summary report

The 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, 2024). 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 resulting from third-party testing of material borrowed from samples housed at the Alaska Geologic Materials Center. Josh Long 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