**Middle Republican NRD 2023**

General geographical area: Middle Republican NRD

Client Name: Middle Republican NRD

Year Survey Completed: 2023

Institution oversaw survey planning, collection and data processing: Aqua Geo Frameworks LLC

Survey Type: Recon lines

Geophysical survey company / system: SkyTEM

Configuration: SkyTEM304M

Collection End Date: 6/18/2023

Institution responsible for data processing and inversion: Aqua Geo Frameworks LLC

Geophysicists who performed inversion and interpretation: Ted Asch, Jared Abraham

Software version: Aarhus Workbench 6.8.0.0

Citation of Report: AGF, 2023, Final Spatially-Constrained Inversions Report and Data Delivery From the 2023 Airborne Electromagnetic Survey of a portion of the Middle Republican Natural Resources District, Prepared for the Middle Republican Natural Resources District, September 29, 2023, by Aqua Geo Frameworks, LLC, Fort Laramie, WY.

Total KM data acquired: 1637.0 km

Total km of retained data: 1370.6 km

Number of layers in model: 39

Thickness of first layer: 2 m

Factor by which thickness increases: 1.08

Type of inversion result: Resistivity depth

Basic Inversion Scheme performed: spatially constrained inversion (SCI)

ESPG: 26822 and 32104