Multiple data sets converge on a geologic structural model for Glass Buttes, Oregon geothermal prospect

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Abstract

Geophysical field work is being conducted with multiple-concurrent energy and geophysical tools to construct a model of the Glass Buttes geothermal system in Oregon. A combination of high-resolution aeromagnetic, magnetotelluric, gravity, and refraction seismic surveys, along with surface geology, were used to develop a subsurface structural interpretation. The models and interpretations are integrated with the known geology and geothermal system to suggest promising areas for geothermal exploration.

Reduced to pole aeromagnetic data with lineament interpretation.