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Economics; Researcher from University of Texas Austin Reports on Findings in Economics (An integrated geothermal resource assessment and techno-economic analysis in Presidio County of the Trans-Pecos region of Texas)

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2026 OCT 31 (VerticalNews) -- By a News Reporter-Staff News Editor at Investment Weekly News -- Research findings on agriculture are discussed in a new report. According to news reporting out of Austin, Texas, by VerticalNews editors, research stated, "ABSTRACT: Presidio County of the Trans-Pecos region of Texas has substantial, undeveloped geothermal resources."

Our news journalists obtained a quote from the research from University of Texas Austin: "We conduct a thorough, multiscale characterization of geothermal resources and assess comparative techno-economics for power generation and direct use facilities. We integrate surface geology, high-resolution gravity, borehole geophysical logs, and core data for subsurface characterization and carry out detailed techno-economics, considering enhanced geothermal systems and closed-loop geothermal systems technologies. Techno-economic analysis shows that the geothermal resource development in Presidio County could be economically viable for a wide range of project scenarios for power generation and direct use, with a project lifetime of 20 to 30 yr. However, the economic outlook of geothermal project developments in the study area are varied and range from poor to excellent, depending on the target location, reservoir depth, temperature, completion technologies, and local demand for use. The Border region of the study area has the best-quality geothermal resources, with high geothermal gradient, proximity to the Rio Grande rift zone, and shallow Precambrian basement at places. The Interior region has a cooler geothermal gradient of 29°C/km."

According to the news reporters, the research concluded: "Not much information is available from the Big Bend region, regarding the deep geothermal potential. New higher-resolution geophysical surveys and drilling new wells can help improve our understanding of the local geology and available geothermal resources in the study area."

For more information on this research see: An integrated geothermal resource assessment and techno-economic analysis in Presidio County of the Trans-Pecos region of Texas. AAPG Bulletin, 2025,109(9). The publisher for AAPG Bulletin is American Association of Petroleum Geologists AAPG/Datapages.

A free version of this journal article is available at https://doi.org/10.1306/07092524128.

Our news editors report that additional information may be obtained by contacting Shuvajit Bhattacharya, University of Texas Austin 1 **Bureau of Economic Geology**, Austin, Texas, United States. Additional authors for this research include Ken Wisian, Bissett Young, Malcolm Ross, Mohamed Khaled, Rama Chandrudu Arasada, Qiqi Wang, David Chapman, Aysegul Turan.

Keywords for this news article include: University of Texas Austin, Austin, Texas, United States, North and Central America, Economics, Technology.

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