



Grand Junction Geological Society

<http://www.gjgs.org/>



This Month's Presentation

Cesar Vivas, PhD

Tuttle Geothermal Project Engineer
University of Oklahoma
Email: cesar.vivas@ou.edu

Will speak on

Repurposing inactive oil and gas infrastructure to unleash geothermal energy

The speaker plans to be here to present the talk in person.

Meeting Time and Location

Wednesday, April 17, 2024

Joint meeting with the CMU Geology Students

7:30 p.m.

Saccomanno Lecture Hall (Room 131 in the Wubben Science Building at Colorado Mesa University)

Zoom Details

Andres Aslan is inviting you to a scheduled Zoom meeting.

Topic: April GJGS meeting

Time: Apr 17, 2024 07:00 PM Mountain Time

Join Zoom Meeting

<https://coloradomesa.zoom.us/j/96341842238>

Meeting ID: 963 4184 2238

Note: As usual, the Zoom meeting link will be opened about a half hour before the actual meeting to give people time to log in.

Important Announcements

The Council will meet before the regular meeting to determine how many summer field camp scholarships the GJGS will award this year. If you would like to contribute to the scholarship fund, this is the time to do so.

Abstract

Repurposing inactive oil and gas infrastructure to unleash geothermal energy

Cesar Vivas, PhD

Abstract: As more oil and gas wells are taken out of production, there is an opportunity to reuse their infrastructure for geothermal energy production. These inactive wellbores provide access to subsurface reservoirs of hot water and rock that can be tapped for the commercial development of deep geothermal direct use or power generation projects. Repurposing retired wells reduces costs and environmental impacts versus drilling new wells. It provides a beneficial use for legacy oilfield assets. Geothermal power holds promise as a clean, renewable baseload energy source that could help transition communities away from declining fossil fuel production. Reusing existing well infrastructure for geothermal could support more stable, diversified local economies while using energy locked in the subsurface to provide low-carbon heating and electricity for homes and businesses.

Cesar Vivas, PhD

Short Bio: Cesar is the Tuttle Geothermal project subsurface engineer and Postdoctoral Research Associate at the University of Oklahoma, where he researches Geothermal Energy and Thermal Energy Storage. Specifically, his work investigates the potential for repurposing oil and gas infrastructure for these purposes. Before beginning his Ph.D. studies at the OU Mewbourne School of Petroleum and Geological Engineering, Cesar worked as a Principal Applications Engineer and Country Services Lead for Coring and Downhole Tools at Halliburton Latin America. With over a decade of experience in the oil and gas industry, Cesar has held various roles and worked in different countries on both onshore and offshore operations.

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