Thank you for the note. That time slot should work for me.

Presentation Title: Complexities Associated With The Migration Of Stray Gas In The Shallow Subsurface.

## Fred Baldassare

Fred has more than 25 years of experience as a geologist, and 20 years of experience investigating more than 200 reported incidents of stray gas migration. He has helped pioneer the application and advancement of isotope geochemistry to identify and distinguish the origin of different microbial and thermogenic gases. He was the lead author for Pennsylvania's Oil & Gas regulations (25 PA. CODE CH. 78, §78,89) for stray gas incident response, and the Marcellus Shale Coalition's technical guidance for stray gas investigations. Fred has authored and coauthored professional papers for peer reviewed journals on the application of isotope geochemistry since 1997.

He has taught and lectured internationally, and at his alma maters, Penn State University and The University of Pittsburgh.

Fred Baldassare Owner/Sr. Geoscientist www.echelonagc.com 724-733-8959 (o) 724-575-2460 (m)