

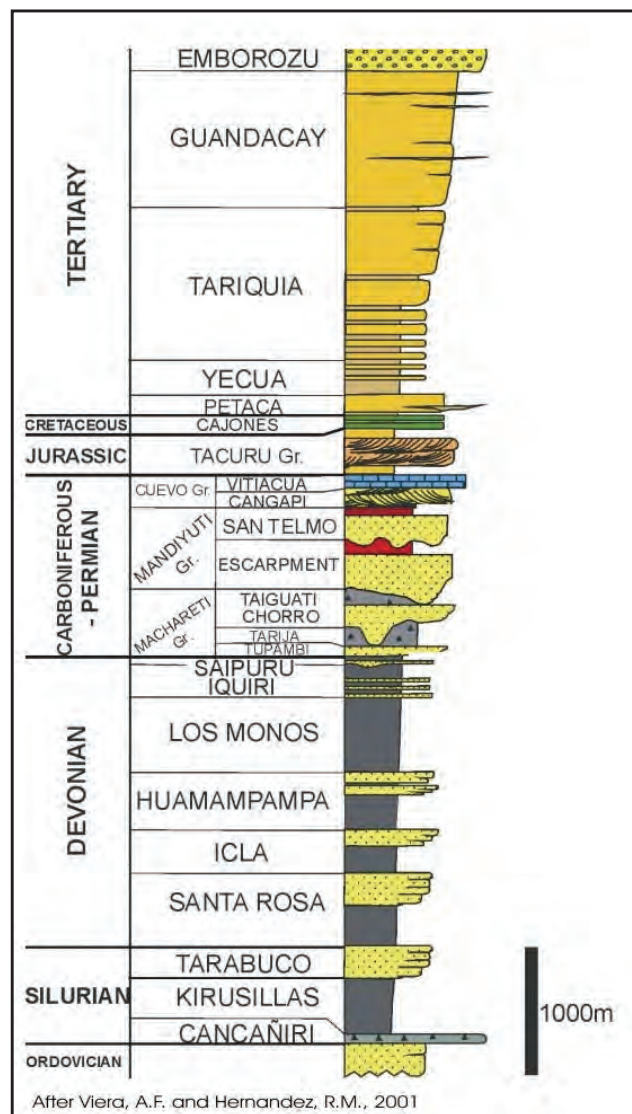


STRUCTURAL HIGHS: DETECTING POTENTIAL CHARGE

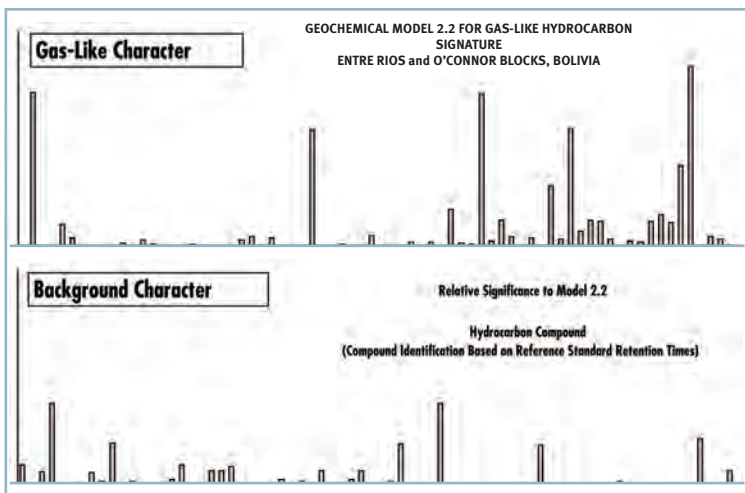
Bolivia, Sub-Andean Thrust Belt



Geologic Regions of Bolivia



Stratigraphic column



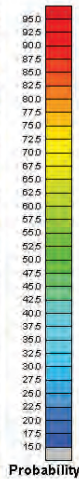
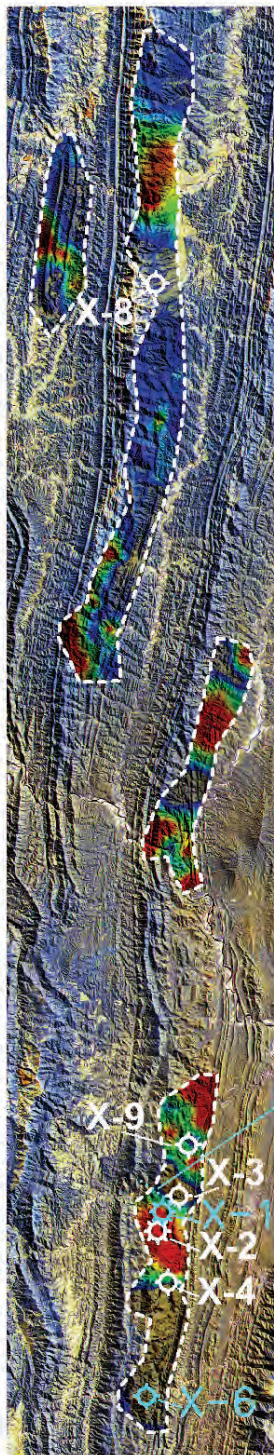
Gas-like hydrocarbon signature vs. geochemical background signature

Geology:

- Highly faulted anticlines
- Target: Gas in the Devonian Huamampampa Fm. at a depth of 3500 to 5000 m
- Surface terrain has extremely rugged, steep rocky slopes with thick vegetation

AGI Survey - 100% Prediction Rate

Well	Predicted Result	Actual Result	Comment
X-2	Gas Well	Gas Well	Geochemical positive yields producing gas well
X-3	Dry Hole	Dry Hole	Formation penetrated below gas/water contact
X-4	Dry Hole	Dry Hole	Formation has <2% porosity, hole P&A
X-8	Dry Hole	Dry Hole	Geochemical negative yields dry hole
X-9	Dry Hole	Dry Hole	Geochemical negative yields dry hole



Gas/Water Contact

AGI Survey results showing high probability areas for finding analogs of Huamampampa gas. White wells were drilled post-survey.

Survey Summary

- W/E transects across anticlines
- 600 km² coverage
- 1000 m sample spacing

Survey Results

- AGI Survey accurately predicted outcome of five out of five post-survey wells
- Client could have saved \$60 million on dry hole expenses (each well cost ~\$15 million)



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