

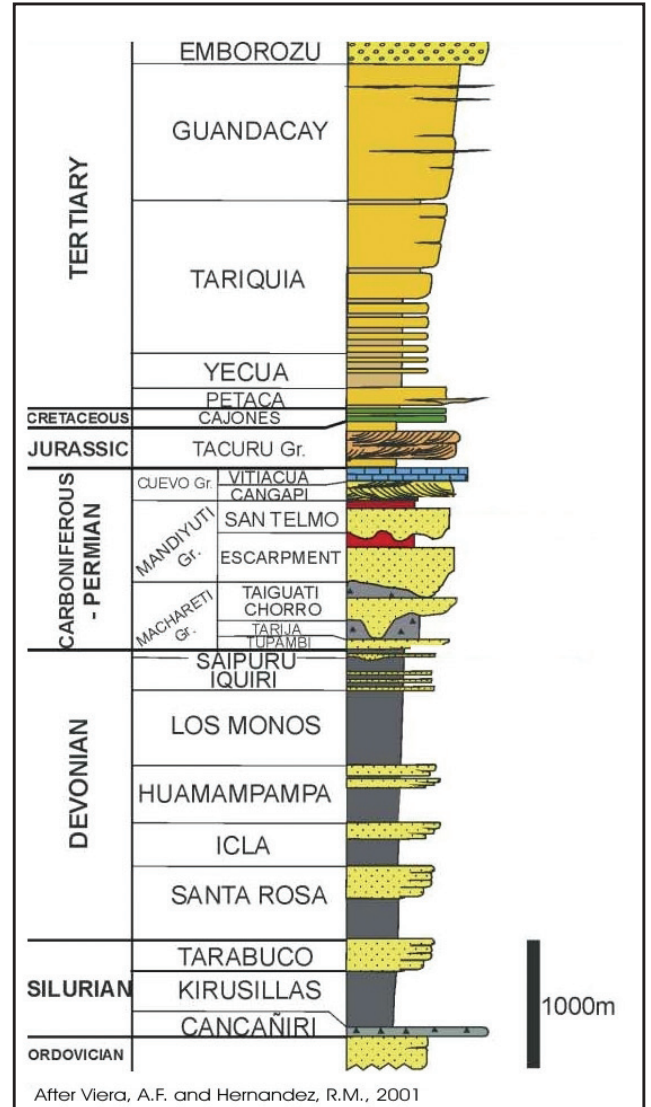


**STRUCTURAL HIGHS: DETECTING POTENTIAL CHARGE**

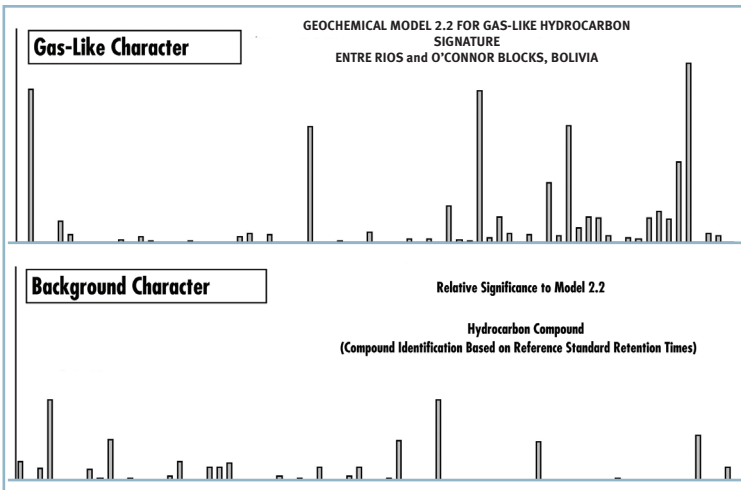
**Bolivia, Sub-Andean Thrust Belt**



Geologic Regions of Bolivia



Stratigraphic column



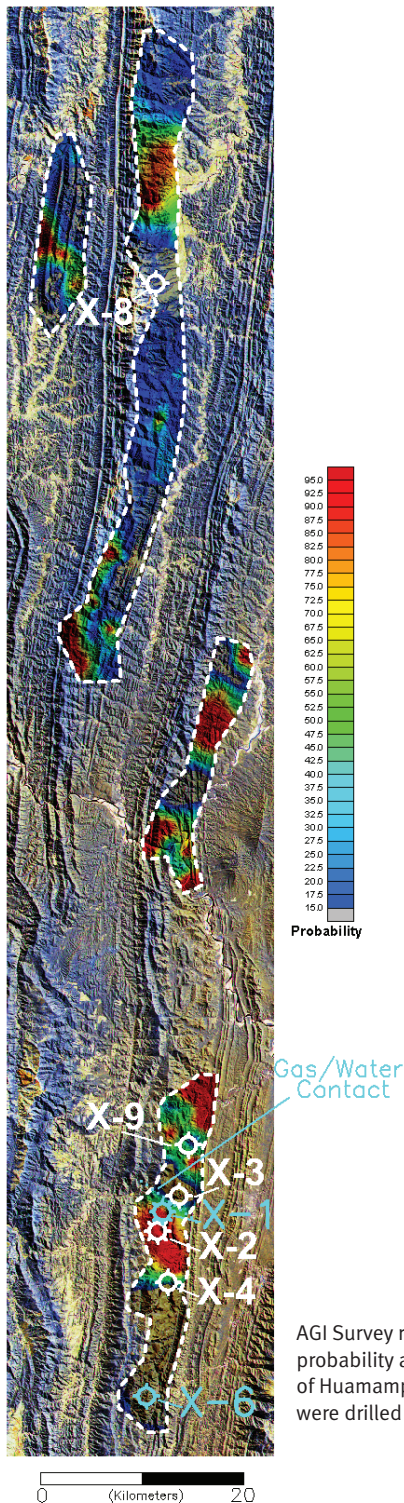
Gas-like hydrocarbon signature vs. geochemical background signature

**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



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 km<sup>2</sup> 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)

