



Structural highs: Detecting potential charge

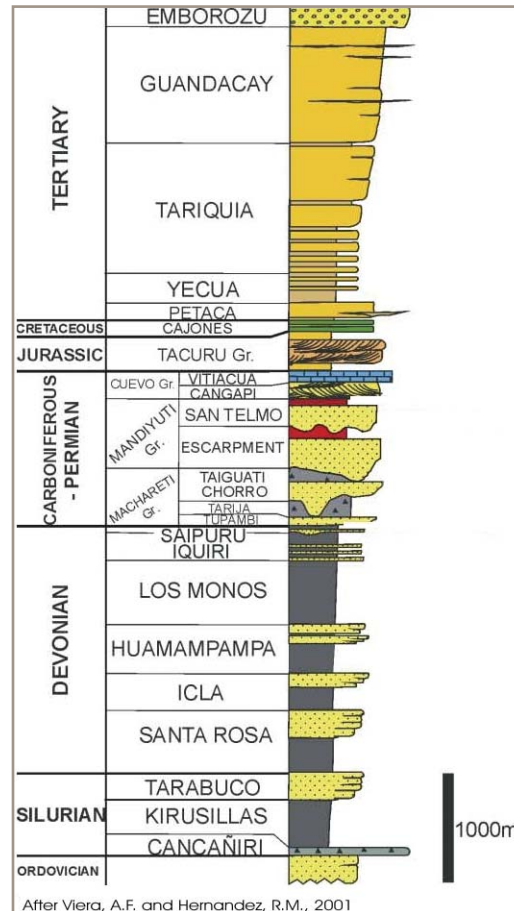
Bolivia, Sub-Andean Thrust Belt



GORE™ Survey Area



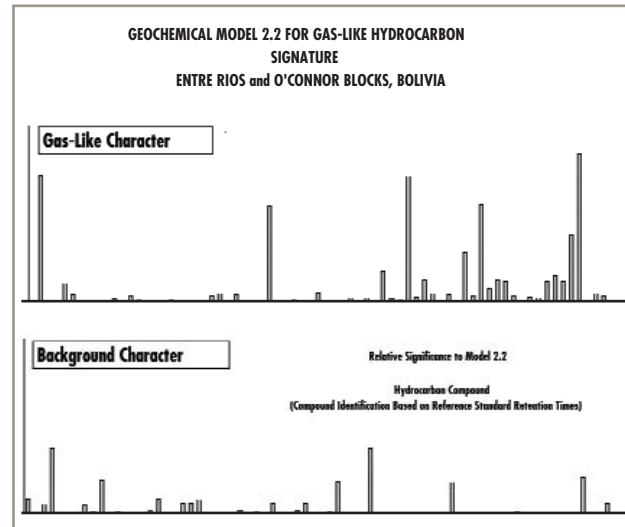
Geologic Regions of Bolivia



After Viera, A.F. and Hernandez, R.M., 2001

Stratigraphic column

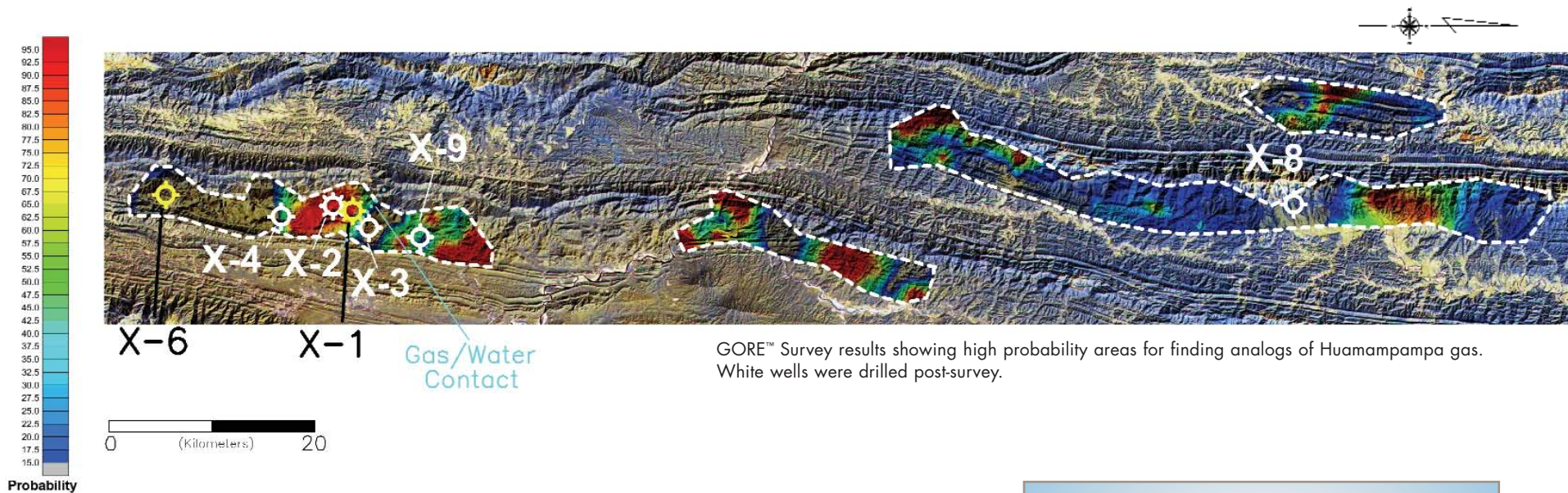
1000m



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



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

GORE™ 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 |

Survey Summary

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

Survey Results

- GORE™ 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)

