U. S. Geological Survey
OPEN FILE REPORT 79-1525
This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE INSTITUTO NACIONAL DE INVESTIGACIONES GEOLOGICO-MINERAS

OPEN FILE REPORT (IR) CO-39

WEST FLANK OF THE VANEGAS ANTICLINE

EAST FLANK OF THE VANEGAS ANTICLINE

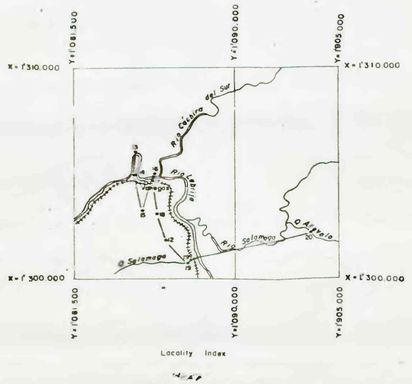
EAST FLANK OF THE AREVALO SYNCLINE

Formation

LA LUNA — GALEMBO

PUJAMANA

13 14 15 16 17 18 12 19 19A 20



EXPLANATION

- Contact between members questioned where correlation is inexact
- Correlation of key phosphorite horizons, questioned where uncertain
- Principal phosphorite bed
- Unconformable contact between formations questioned where uncertain
- Covered
- Poorly exposed

Vertical scale, 1:200

Approximate Horizontal scale

ROCK NAMES

- Phosphorite
- Sandstone
- Siltstone
- Claystone
- Porcellanite
- Limestone
- Limestone Concretion

ADJECTIVES

- Phosphatic
- Sandy
- Silty
- Argillaceous
- Siliceous, or thin interbedded porcellanite
- Calcareous

Plate 3. Correlation of measured sections of Galembo Member of La Luna Formation in the vicinity of Vanegas and Conchal, Santander

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