U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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A, South half

B, North half

Base map reduced from topographic sheets (scale 1:25,000) in Planchas 109 and 120 repared by Instituto Geográfico, Bogotá, de Agustin Codazzi.

La Luna Formation mapped 1967-8 by Edwin K. Maughan, Fernando Pachón P, Jacob Abozaglo M., Ruál Durán R. and Patricio Saenz S.

EXPLANATION

- Ku — Umir Formation and younger rocks
- Galembo Member of La Luna Formation
- Kl — La Luna Formation, lower part
- B — Approximate subsurface area of exploitabe phosphorite. Letters refer to reserve blocks; see table 4.
- Contact, dashed where inexactly located.
- Thrust fault, dashed where inexactly located.
- Normal fault. (D / U)
- 40 / 35 — Strike and dip of beds and overturned beds.
- Anticline, plunge indicated by arrow.
- Syncline, plunge indicated by arrow.
- X5 — Measured stratigraphic section shown plate 4.

SCALE 1 0 1 2 Km

Plate 4. Map showing the Galembo Member of the La Luna Formation and phosphorite reserves in an area in the vicinity of Azufrada, Conchal, and Vanegas, Dept. of Santander.

Galembo Member shown by stipple; Kl is lower part of La Luna Formation and older rocks; Ku is Umir Formation and younger rocks.

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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.