

Stratigraphy of the Departamento del Huila (complement to: Profil
durch die Anden von Buenaventura nach Florencia.-1937)

H. Hubach.

Paleozoic and older.

Due to the high degree of metamorphism in the Departamento del Huila, it is impossible to make a subdivision of paleozoic and older rocks; toward the crest of the Central Cordillera, ^{for this reason,} even the separation of mesozoic from older formations is a not resolved problem. -The phyllitic formation of Potrerillos (see profile) must be considered premesozoic. The gneisses of the Garzon massif may be partly sedimentary paleozoic or older.

Grosse (1) considers that the metamorphic sediments S of San Agustín (watershed Magdalena-Caquetá) may be "precambrian", but he uses this term only schematically; badly preserved fossils were found in this "precambrian".

?Older Mesozoic. - Vitoncó series.

In the upper rio Paez region, at Vitoncó, a series of more than 1500m, composed of shales, fine to very fine platy shales, of a black chert horizon and of some marls, limestones and sandstones is considered to be older mesozoic (triassic or jurassic). Fossils were found in the cherts, but have not been determined.

This Vitoncó series is probably older than the neocomian, because the basal conglomerate of the cretaceous, of the Inzá region (near to the south) contains chert pebbles, according to Grosse. The oldest cherts on both sides of the Central Cordillera occur in the Vitoncó series and their probable western equivalents. Besides, the Vitoncó formation is steeply folded, while the cretaceous lies flat; the superposition was not observed. -The Vitoncó may be triassic or possibly jurassic because further N, at Chaparral, Lindig found *Pseudomonotis ochotica* (collection of the Museum fuer Naturkunde, Berlin) in similar shales

the Comp. del Petrol. Shell de Col. of
The geological informations of the Llanos, the Eastern Cordillera
and the Magdalena valley which may ^{offer the C.C. may afford to Dr. M.} be useful for Dr. Muller's pur-
^{acc. to} poses in E Ecuador, according to the ^{requirement} Anglo Saxon Petroleum solicitude
of the Anglo Saxon Petroleum Cy., are as follows:

Llanos region and Llanos development.

- 1) O. Renz *Villavieja*.
- 2) O. Renz. Cordillera Foot between the rio Ariari and the
rio Guape. 1937/38
- 3) O. Renz *Macarena*
- 4) O. Renz. Geological observations on a reconnaissance trip to
the Comisaria del Caquetá. -1938
- 5) Hubach & Renz. - Present interpretation and correlation of trip
stratigraphic conditions along the Llanos foot of
the E. Cordillera. -1938

Hubach
East Cordillera/Gründschichtsaule: Ostseite des Beckens von Bogotá.
1937

Magdalena Valley:

Hubach: Schichtsaule von Villeta-Apulox bis Honda. -1937

General informations.

Hubach: Profil durch die Anden von Buenaventura nach
Florencia, -1937

Querprofil durch die Anden gegen Ende der Kreidezeit. -
1937

1) Profil durch die Anden, von Buenaventura nach Florencia.

~~This profile shows the difference~~

The general geological conditions of this profile are related with those of Ecuador reflected in Ecuador.

W of the Central Cordillera (evolutionary axis) lies the highly disturbed volcanic field of the ~~Andean~~ ^{By the intrusion of the} and E of it the sedimentary field of the Cretaceous. The E field is divided into the zone of the Magdalena development, which ~~extends~~ ^{becomes wider to the} further N to the central part of the E Cord and extends over Ecuador, and Boyacá, Santander de Sur, Santander del Norte & Venezuela, and 2) the ~~Magdalena~~ ^{Llanos (Florencia)} development

ab.

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Gundlach Series	2. T. Grobk. ^{SSB} Merin, mit Tonschiefer + Porphyrit bis - dick. Laven, Aggl. u. Tuffe, südlich in Lydite u. Tuffe - hier gelblich. Basis des gneiss. u. mit Beob.
Villeta Series	Exogyra Hermeti. Kalk = Chippewa Une SSB, nach Beob. bei Dolores Nördl. Nördl. m. gr. SSB, im westl. Teil vork. (porphyritisch) Oxytropid. Kalk ^{mit T. virens} durch 10 Platt. Tausch. u. sehr Lydite Tonschiefer des Aptien bis pp. Berrienia Typ. Tausch sch. Kalk u. Aggl. Trigonaria laevigata Kalk - mit 5-6 SSB, nach Beob. u. T. virens
Albajirón Series	Gage Kongl. u. porphyrit. Aggl. Tuffe u. Laven. Caguera Horst Gage Kongl. Transversaria angruosa u. E. H. 2-Knd.
Vithuá Series	Flies bis sehr fein platt. Tsch. mangel, Kalk, u. SSB - 1 typ. Lydite u. d.

~~Manacama~~ Febr. 1937.

Cordillera Foot between the Rio Arisari and
the rio Guape. 1937/38. Geol. Report 22.

Villavicencio

Manacama Febr. 1937.

Atta Comis. Caguita'

Profile Present state of the

E Cordillera.

Profile Huach.

Megalina. Depto Huila.

Profile

Litt.

Graphics.