

Compliance Certification Application Reference Expansion

Lang, W.B. 1942. Basal Beds of Salado Formation in Fletcher Potash Core Test near Carlsbad, New Mexico. American Association of Petroleum Geologists Bulletin, Vol. 26.

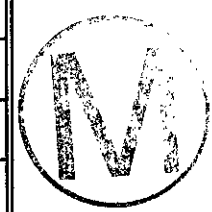
ABSTRACT, p 63;

" The Fletcher potash core test, drilled east of Carlsbad, New Mexico, penetrated a section of the salt-bearing Salado formation of Permian age, from which no other consecutive cores are available either from potash core tests or the numerous wells drilled for oil. These cores have been studied in detail for the sedimentary and stratigraphic evidence they disclose; a detailed log has been compiled of the section; and some of the minerals of the core have been determined by means of chemical analysis and X-rays. The sequence here described extends from above the Cowden anhydrite member of the Salado formation into the underlying Carlsbad limestone. Two members of the Salado formation, the La Huerta and Fletcher anhydrite members, are here defined. Also evidence for an erosional unconformity between the Fletcher anhydrite member and the Carlsbad limestone as disclosed by the core is presented."

p. 63, Para. 3;

" Although churn-drill samples are not available, it is possible from the driller's log and the core material to classify the rocks into the following formations.

Age	Formation	Internal (Feet)	Thickness (Feet)
Quaternary.....	Surface sand and caliche.....	0- 10	10
Triassic.....	Santa Rosa(?) sandstone.....	10- 65	55
Triassic.....	Pierce Canyon redbeds.....	65- 570	505
Permian.....	Rustler formation(upper part).	570- 660	90
Permian.....	Rustler formation(lower part).	660- 890	230
Permian.....	Salado formation.....	890- 1,380	490
Permian.....	Carlsbad limestone.....	1,380-1,381½	1½



FLETCHER ANHYDRITE MEMBER OF THE SALADO, p 75;

" The lowest halite bed of the Salado grades within a foot or two into an uncommonly massive bed of anhydrite, which may range from 50 to 100 feet or more in thickness. In this core test it is 69 feet thick. Because of its stratigraphic importance this unit is here called the Fletcher anhydrite member of the Salado formation, the name being taken from the well in which this core test was made."