



LOCK BR 109-MI EVALUATION

ffshore Adriatic Sea in southern "B" zone, 40 Km from Gargano coast, k defined the excellent deep seated structure of GORGONA. The shallow explored on its SW flank by the wildcat GARGANO EST MARINE 1, REINISCHE 20% respectively.

was satisfied.
atisfied as well by GARGANO EST MARINE 1.
of a second, non compulsory well, is therefore the permit expiration,

Southern Adriatic basin in the foreland of Appennine compressive fold orm subject to a series of transcurrent mouvements. Two main wrench adly trending East-West, right lateral, active since Lower Cretaceous; nted, either right or left lateral. The latter is a composite system of the Appenine fold belt, older in age than the previous one but strike-slip faults, according to the model herewith. Conjugate faults in ateral E-W wrenching.

20 (Top Pre-Pliocene) have been mapped in 1979; in 1981, '32 (Top d Marls, Top Maiolica), D 50 (Top Liassic Dolomite) and D 70 (top licked and contoured utilizing all available surveys. Horizon calibrawhich has not been reached. Isobaths have been completed from well all pattern has been done utilizing the geological pattern known on actures—trend noticed on GEM anomaly is related to a strike slip

Ill horizons, including sea bottom, indicating same still active fault-n. Comparison of isopach and structure maps show the anomaly sally Jurassic. Iterized by some internal strong reflections; its base D 70 has been formable events; the D 70 isochrons map enhances under the highly faulted NW-SE structural axis which culminates at 2200 mstwt

provided from the well GARGANO EST MARINE 1 down to the top of c member) and from the deep deep test FORESTA UMBRA 1, drilled NO peninsula, bottomed within the dolomitic Burano Lower member.

e very presumably Triassic. The above mentioned dark, bituminous shale art of Upper Triassic evaporitic section, looks to provide the Southern me of source material. Striking proof of it is provided by the recent oil and FALCO and by the widespread presence of live oil, intergranular or riassic evaporitic sequence of FORESTA UMBRA 1 (cores m.4315-4316, 4480-832, 5016-5017,50, 5067-5071) and GARGANO EST MARINE 1 (cuttings). More-A UMBRA well samples of dark shale disclosed very high organic content are mature at depths in excess of 4000 meters in the temperature range as shown on hydrocarbon maturity plate herewith.

If by coupling of conjugate strike slip faults beside the compressive relationship favourable to continued entrapment. y the thick (FORESTA UMBRA 2100 m, GORGONA prognosis about 3000 member, Upper Triassic in age. This sequence is composed of minor interbeds of dark shale, increasing towards the base. The pir, is presumably sealed by the topmost portion of the formation it-