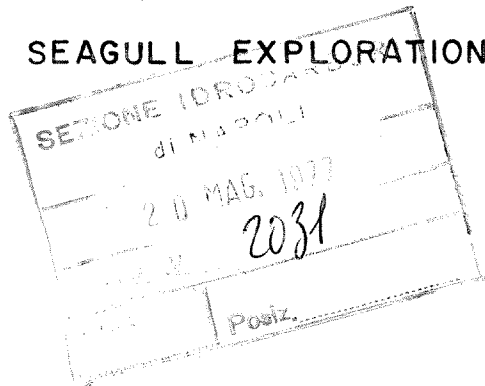


SEAGULL EXPLORATION ITALY



RISERVATO

LITHOSTRATIGRAPHIC AND BIOSTRATIGRAPHIC TYPE SECTION WESTERN SICILY

GEOLOGICAL EVALUATION OF PETROLEUM EXPLORATION LICENCE CP. 12. SE

V 134

LITHOSTRATIGRAPHIC UNIT				AGE	BIOSTRATIGRAPHIC UNIT		
Formts Members	Log	THICKNESS IN MTS	Lithology				
ENNA Formt	ARENACEOUS Member	1100	Calcarenite and middle to fine grained sands with clay intercalations.	QUATERNARY	ANOMALINA BALTICA		
			Clay and clayish silty marl, greenish-gray with rare intercalations of fine grained micaceous sand and thick limestone and coquina limestone.			P L I O C E N E	FAUNA GENERALLY PELAGIC
			White Globigerina marl.				
TRUBI Mb		60	Gypsum, anhydrite with clay intercalations.				
EVAPORITIC FMT		245	Evaporitic limestone and diatomaceous marl (Tripoli)	U. MIOCENE	STERILE		
SCATERINA FMT		120	Bluish gray silty marl, sand and sandstone with conglomerate lenses; thick olistostroma intercalations.	MIDDLE MIOCENE	BOLIVINOIDES MIOCENICUS		
		375					
VALLELDOLMO Olistostrome		90	Transgression Chaotic varicolored tectonic shale with small to very large blocks of different rocks ranging in age from Paleozoic to middle Miocene (olistoliths)	MIDDLE LOWER MIOCENE	MIXED TRIASSIC TO LOWER MIOCENE FOSSILS		
DUSTONIA CI	CORLEONE Mb.	450	(A) Hard, compact gray green detrital algal limestone (Custonaci).	MIOCENE OLIGOCENE TRANSITION	LEPIDOCYCLINA DILATATA ZONE		
		10	(B) Green to bluish gray conitic sandstone with quartzitic cement.				
SERRALUNGA Ragusa eq.		45	Transgression Detrital limestone white to yellow, thick (C) pebbles, with Orbitolina and Ruvastia (Cretac.)	MIOCENE OLIGOCENE TRANSITION	LEPIDOCYCLINA DILATATA ZONE		
		20	(D) White to light pink detrital limestone, generally stratified, fossiliferous (biostromal origin with some pelagic intercalation). Dogger-Malm age.				
ALCAMO Formation	AMERILLO Member	120	(E) White to light gray detrital biostromal massif dolomite and dolomitic limestone (Upper Triassic-Lias).	OLIGOCENE	GLOBIGERINA VENEZUELANA ZONE		
		185	(F) Hard compact gray-greenish marl with calcarenite intercalations (Serralunga)	EOCENE	MACROFORAMINIFERS GLOBIGERINATHEKA GLOBOROTALIA VELASCOENSIS GLOBOROTALIA VELASCOENSIS		
ALCAMO Formation	IBLA Member	460	(G) Marly limestone white to pink, hard and compact black chert nodules and thin layers.	MIDDLE-UPPER CRETACEOUS	GLOBOTRUNCANA ZONE		
		60	Green marl with carbonaceous plant remains intercalated or changing to medium hard compact marly limestone.	NEOCOMIAN BARREMIAN ALBIAN	THALMANNINELLA ZONE		
ALCAMO Formation	BUSAMBR. Member	225	Limestone slightly marly white to gray-green, very fine grained, hard and compact with yellowish chert nodules and layers, intercalations of greenish marl.	NEOCOMIAN BARREMIAN ALBIAN	THALMANNINELLA ZONE		
		25	Marly limestone red to gray fine grained, hard and compact. Organic limestone pink to yellow and gray, fine grained, siliceous, hard and compact, with few chert layers, tufts and basalt intrusions.	PORTLANDIAN NEOCOMIAN (L.CRETACEOUS)	TINTINNIDES ZONE		
ALCAMO Formation	ALCAMO Member	440	Marly limestone red to gray fine grained, hard and compact. Organic limestone pink to yellow and gray, fine grained, siliceous, hard and compact, with few chert layers, tufts and basalt intrusions.	PORTLANDIAN NEOCOMIAN (L.CRETACEOUS)	TINTINNIDES ZONE		
		15	Dolomitic limestone and dolomite, white to light gray, xylite fine grained, pseudo-oolitic zones hard and compact, intercrystalline porosity very variable, from poor to good.	MALM DOGGER	ALGUES FILAMENTIFERES		
INICI Formation	Marettimo Mb	125	Dolomitic limestone and dolomite, black to dark gray, to finely xylite, hard and compact with intercalations of green to black pyritic shale. In the upper part of the member, chert nodules and thin layers of tufts are present.	L I A S	DETRITAL ORGANOGENOUS INTERVAL		
		305					
INICI Formation	Marettimo Mb	130	Dolomite, white, saccharoidal, vuggy, good porosity and permeability.				